

**MALDEN****Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	40.79	43	105	Male	21.08	15	71
Female	17.12	14	82	Female	19.00	15	79
Total	57.91	57	98	Total	40.09	30	75
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	13.92	13	93	Male	7.30	4	NC*
Female	14.30	10	70	Female	7.55	13	172
Total	28.22	23	81	Total	14.86	17	114
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	2.16	2	NC*	Male	30.71	34	111
Female	265.00	281	106	Female	30.33	27	89
Total	267.15	283	106	Total	61.04	61	100
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	26.92	42	156 ~+
Female	17.43	23	132	Female	13.49	14	104
				Total	40.42	56	139 #+
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	107.96	113	105				
Female	115.27	113	98	Female	32.05	35	109
Total	223.23	226	101				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	13.54	15	111	Male	14.79	11	74
Female	5.70	9	158	Female	17.97	16	89
Total	19.24	24	125	Total	32.76	27	82
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	6.84	6	88	Male	239.09	205	86 #-
Female	5.89	5	85				
Total	12.74	11	86				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	23.23	34	146 #+	Male	17.99	10	56
Female	15.67	19	121	Female	12.70	14	110
Total	38.90	53	136 #+	Total	30.70	24	78
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	14.49	13	90	Male	10.60	17	160
Female	4.37	4	NC*				
Total	18.86	17	90				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			

Male	16.18	12	74	Male	4.12	6	146
Female	13.67	11	80	Female	12.22	5	41 #-
Total	29.85	23	77	Total	16.34	11	67
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	6.59	5	76				
Female	3.41	4	NC*	Female	49.01	38	78
Total	9.99	9	90				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	130.10	164	126 ~+	Male	805.93	835	104
Female	101.36	125	123 #+	Female	835.80	856	102
Total	231.46	289	125 ^+	Total	1641.73	1691	103

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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## MANCHESTER

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	4.65	4	NC*	Male	2.35	1	NC*
Female	1.76	0	NC*	Female	1.96	8	409 ~+
Total	6.41	4	NC*	Total	4.30	9	209
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.52	0	NC*	Male	0.84	1	NC*
Female	1.49	1	NC*	Female	0.79	1	NC*
Total	3.02	1	NC*	Total	1.64	2	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.25	0	NC*	Male	3.31	3	NC*
Female	28.64	37	129	Female	3.11	2	NC*
Total	28.89	37	128	Total	6.43	5	78
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			

				Male	3.23	3	NC*
Female	1.72	1	NC*	Female	1.45	5	345 #+
				Total	4.68	8	171
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	12.36	10	81				
Female	11.73	10	85	Female	3.44	6	175
Total	24.09	20	83				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.64	4	NC*	Male	1.73	3	NC*
Female	0.58	1	NC*	Female	1.86	4	NC*
Total	2.22	5	225	Total	3.59	7	195
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.61	0	NC*	Male	27.94	42	150 #+
Female	0.53	1	NC*				
Total	1.13	1	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	2.76	2	NC*	Male	2.03	1	NC*
Female	1.68	0	NC*	Female	1.28	0	NC*
Total	4.43	2	NC*	Total	3.31	1	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.78	0	NC*	Male	0.80	2	NC*
Female	0.50	0	NC*				
Total	2.28	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.80	0	NC*	Male	0.41	0	NC*
Female	1.39	1	NC*	Female	1.18	1	NC*
Total	3.18	1	NC*	Total	1.58	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.77	0	NC*				
Female	0.35	0	NC*	Female	5.45	7	129
Total	1.12	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	15.59	7	45 #-	Male	92.69	86	93
Female	11.06	15	136	Female	88.34	106	120
Total	26.65	22	83	Total	181.02	192	106

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MANSFIELD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	8.36	12	144	Male	5.34	5	94
Female	2.83	7	247	Female	4.44	3	NC*
Total	11.19	19	170 #+	Total	9.77	8	82
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.91	3	NC*	Male	1.55	0	NC*
Female	3.35	4	NC*	Female	1.30	5	385 #+
Total	7.26	7	96	Total	2.85	5	175
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.48	0	NC*	Male	7.67	5	65
Female	55.67	54	97	Female	5.73	5	87
Total	56.15	54	96	Total	13.40	10	75
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	6.86	6	87
Female	4.53	1	NC*	Female	2.70	5	185
				Total	9.56	11	115
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	22.22	16	72				
Female	18.36	20	109	Female	7.15	8	112
Total	40.59	36	89				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	3.14	3	NC*	Male	3.25	2	NC*
Female	0.90	2	NC*	Female	2.97	6	202
Total	4.04	5	124	Total	6.23	8	128
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	2.19	5	228	Male	47.56	46	97
Female	1.72	1	NC*				
Total	3.91	6	153				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	5.62	3	NC*	Male	3.77	2	NC*
Female	3.11	4	NC*	Female	2.01	1	NC*
Total	8.73	7	80	Total	5.77	3	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			

Male	3.49	4	NC*	Male	3.52	7	199
Female	0.92	0	NC*				
Total	4.41	4	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	4.13	6	145	Male	1.23	1	NC*
Female	2.95	2	NC*	Female	3.34	1	NC*
Total	7.09	8	113	Total	4.58	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.53	1	NC*				
Female	0.62	0	NC*	Female	10.13	9	89
Total	2.16	1	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	28.87	28	97	Male	178.49	165	92
Female	19.53	22	113	Female	165.79	175	106
Total	48.40	50	103	Total	344.28	340	99

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## MARBLEHEAD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	17.99	15	83	Male	9.07	15	165
Female	6.55	6	92	Female	7.42	22	297 ^+
Total	24.54	21	86	Total	16.49	37	224 ^+
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	5.82	9	155	Male	3.26	5	154
Female	5.61	6	107	Female	2.94	4	NC*
Total	11.43	15	131	Total	6.19	9	145
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			

Male	0.96	1	NC*	Male	12.82	17	133
Female	106.75	140	131 ~+	Female	11.62	19	164
Total	107.71	141	131 ~+	Total	24.43	36	147 #+
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	12.37	6	49
Female	6.64	7	105	Female	5.41	5	92
				Total	17.78	11	62
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	47.68	45	94				
Female	43.49	46	106	Female	12.87	13	101
Total	91.17	91	100				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	6.27	6	96	Male	6.62	7	106
Female	2.16	3	NC*	Female	6.87	6	87
Total	8.43	9	107	Total	13.49	13	96
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	2.37	3	NC*	Male	106.08	127	120
Female	2.07	2	NC*				
Total	4.44	5	113				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	10.52	10	95	Male	7.90	7	89
Female	6.21	4	NC*	Female	4.76	3	NC*
Total	16.72	14	84	Total	12.66	10	79
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	6.78	3	NC*	Male	3.20	4	NC*
Female	1.85	1	NC*				
Total	8.63	4	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	6.87	17	247 ~+	Male	1.58	4	NC*
Female	5.19	14	269 ~+	Female	4.56	3	NC*
Total	12.07	31	257 ^+	Total	6.15	7	114
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	2.95	1	NC*				
Female	1.31	3	NC*	Female	20.17	21	104
Total	4.25	4	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	59.24	36	61 ~-	Male	354.71	356	100
Female	40.71	47	115	Female	328.99	398	121 ^+
Total	99.95	83	83	Total	683.70	754	110 ~+

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## MARION

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	4.27	6	141	Male	2.09	4	NC*
Female	1.25	1	NC*	Female	1.52	0	NC*
Total	5.52	7	127	Total	3.61	4	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.39	1	NC*	Male	0.77	0	NC*
Female	1.19	2	NC*	Female	0.57	0	NC*
Total	2.58	3	NC*	Total	1.34	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.22	0	NC*	Male	3.02	6	199
Female	21.58	18	83	Female	2.30	3	NC*
Total	21.80	18	83	Total	5.32	9	169
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	2.78	4	NC*
Female	1.40	2	NC*	Female	1.09	1	NC*
				Total	3.87	5	129
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	11.31	8	71				
Female	8.21	10	122	Female	2.64	2	NC*
Total	19.51	18	92				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.43	3	NC*	Male	1.55	2	NC*
Female	0.41	0	NC*	Female	1.33	1	NC*
Total	1.85	3	NC*	Total	2.88	3	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.59	1	NC*	Male	25.37	30	118
Female	0.47	1	NC*				
Total	1.06	2	NC*				

<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	2.43	6	247	Male	1.87	1	NC*
Female	1.27	2	NC*	Female	0.88	0	NC*
Total	3.71	8	216	Total	2.74	1	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	1.54	1	NC*	Male	0.79	1	NC*
Female	0.38	0	NC*				
Total	1.92	1	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	1.67	1	NC*	Male	0.37	0	NC*
Female	1.07	4	NC*	Female	0.98	1	NC*
Total	2.74	5	183	Total	1.35	1	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.69	0	NC*				
Female	0.26	0	NC*	Female	4.13	3	NC*
Total	0.95	0	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	13.80	7	51	Male	83.74	83	99
Female	8.41	4	NC*	Female	66.01	64	97
Total	22.21	11	50 #-	Total	149.75	147	98

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## MARLBOROUGH

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	20.06	25	125	Male	11.56	14	121
Female	8.19	4	NC*	Female	9.94	13	131
Total	28.25	29	103	Total	21.50	27	126



**Brain and Central Nervous System**

Male	7.96	8
Female	7.42	12
Total	15.38	20

**Breast**

Male	1.10	2
Female	133.84	133
Total	134.95	135

**Cervix Uteri**

Female	9.41	15
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**Colon / Rectum**

Male	53.33	46
Female	54.67	63
Total	107.99	109

**Esophagus**

Male	7.14	4
Female	2.69	0
Total	9.84	4

**Hodgkin's Disease**

Male	4.16	3
Female	3.28	2
Total	7.45	5

**Kidney and Renal Pelvis**

Male	12.51	14
Female	7.72	6
Total	20.23	20

**Larynx**

Male	7.84	8
Female	2.19	1
Total	10.04	9

**Leukemia**

Male	8.72	18
Female	6.98	11
Total	15.71	29

**Liver and Intrahepatic Bile Ducts**

Male	3.47	6
Female	1.65	4
Total	5.13	10

**Lung and Bronchus**

Male	67.50	88
Female	49.11	52
Total	116.61	140

**Multiple Myeloma**

101 Male	3.66	5	137
162 Female	3.62	3	NC*
130 Total	7.28	8	110

**Non-Hodgkin's Lymphoma**

NC* Male	16.64	18	108
99 Female	14.90	8	54
100 Total	31.54	26	82

**Oral Cavity and Pharynx**

159 Male	14.94	19	127
Female	6.75	7	104
Total	21.68	26	120

**Ovary**

86 Female	16.46	17	103
115			
101			

**Pancreas**

NC* Male	7.60	6	79
NC* Female	8.52	9	106
NC* Total	16.13	15	93

**Prostate**

NC* Male	117.63	117	99
NC*			
67			

**Stomach**

112 Male	8.92	11	123
78 Female	6.07	7	115
99 Total	14.99	18	120

**Testis**

102 Male	6.66	5	75
NC*			
90			

**Thyroid**

206 ~+	Male	2.47	4	NC*
157	Female	6.71	3	NC*
185 ~+	Total	9.18	7	76

**Uteri, Corpus and Uterus, NOS**

173				
NC*	Female	24.50	17	69
195				

**All Sites / Types**

130 #+	Male	414.27	448	108
106	Female	415.25	416	100
120 #+	Total	829.52	864	104

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## MARSHFIELD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	12.92	15	116	Male	7.65	13	170
Female	4.33	4	NC*	Female	6.20	9	145
Total	17.25	19	110	Total	13.86	22	159
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	5.39	6	111	Male	2.39	1	NC*
Female	4.69	4	NC*	Female	2.00	2	NC*
Total	10.08	10	99	Total	4.39	3	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.73	0	NC*	Male	10.84	8	74
Female	83.04	89	107	Female	8.40	12	143
Total	83.76	89	106	Total	19.24	20	104
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	10.27	14	136
Female	6.05	6	99	Female	4.08	9	221 #+
				Total	14.35	23	160 #+
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	34.43	41	119				
Female	27.92	30	107	Female	10.41	15	144
Total	62.35	71	114				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	4.85	7	144	Male	5.02	4	NC*
Female	1.39	1	NC*	Female	4.56	5	110
Total	6.25	8	128	Total	9.58	9	94

**Hodgkin's Disease**

Male	2.67	9	338 ~+
Female	2.09	4	NC*
Total	4.75	13	274 ~+

**Prostate**

Male	75.93	102	134 ~+
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**Kidney and Renal Pelvis**

Male	8.49	7	82
Female	4.67	7	150
Total	13.16	14	106

**Stomach**

Male	5.75	4	NC*
Female	3.02	2	NC*
Total	8.76	6	68

**Larynx**

Male	5.40	3	NC*
Female	1.45	2	NC*
Total	6.85	5	73

**Testis**

Male	4.03	9	224 #+
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**Leukemia**

Male	5.86	6	102
Female	4.08	3	NC*
Total	9.93	9	91

**Thyroid**

Male	1.61	4	NC*
Female	4.32	7	162
Total	5.92	11	186

**Liver and Intrahepatic Bile Ducts**

Male	2.33	2	NC*
Female	0.92	1	NC*
Total	3.25	3	NC*

**Uteri, Corpus and Uterus, NOS**

Female	15.58	19	122
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**Lung and Bronchus**

Male	45.17	53	117
Female	30.26	40	132
Total	75.43	93	123

**All Sites / Types**

Male	271.57	329	121 ^+
Female	246.33	293	119 ~+
Total	517.90	622	120 ^+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

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**MASHPEE****Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
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**Bladder, Urinary**

Male	7.14	8
Female	2.54	1
Total	9.67	9

**Brain and Central Nervous System**

Male	2.39	4
Female	2.24	1
Total	4.63	5

**Breast**

Male	0.37	0
Female	40.35	40
Total	40.72	40

**Cervix Uteri**

Female	2.71	5
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**Colon / Rectum**

Male	18.89	28
Female	16.92	17
Total	35.81	45

**Esophagus**

Male	2.37	0
Female	0.84	0
Total	3.21	0

**Hodgkin's Disease**

Male	1.11	1
Female	0.94	0
Total	2.05	1

**Kidney and Renal Pelvis**

Male	4.04	3
Female	2.38	4
Total	6.42	7

**Larynx**

Male	2.53	2
Female	0.68	0
Total	3.21	2

**Leukemia**

Male	2.84	3
Female	2.12	0
Total	4.96	3

**Liver and Intrahepatic Bile Ducts**

Male	1.15	3
Female	0.51	0
Total	1.66	3

**Melanoma of Skin**

112	Male	3.58	1	NC*
NC*	Female	2.93	3	NC*
93	Total	6.51	4	NC*

**Multiple Myeloma**

NC*	Male	1.28	1	NC*
NC*	Female	1.12	1	NC*
108	Total	2.40	2	NC*

**Non-Hodgkin's Lymphoma**

NC*	Male	5.22	6	115
99	Female	4.54	4	NC*
98	Total	9.76	10	102

**Oral Cavity and Pharynx**

	Male	4.64	4	NC*
184	Female	2.06	1	NC*
	Total	6.70	5	75

**Ovary**

148				
100	Female	4.92	6	122
126				

**Pancreas**

NC*	Male	2.58	3	NC*
NC*	Female	2.65	7	264 #+
NC*	Total	5.23	10	191

**Prostate**

NC*	Male	42.18	76	180 ^+
NC*				
NC*				

**Stomach**

NC*	Male	3.14	3	NC*
NC*	Female	1.86	0	NC*
109	Total	5.00	3	NC*

**Testis**

NC*	Male	1.62	6	371 #+
NC*				
NC*				

**Thyroid**

NC*	Male	0.67	1	NC*
NC*	Female	1.92	3	NC*
NC*	Total	2.59	4	NC*

**Uteri, Corpus and Uterus, NOS**

NC*				
NC*	Female	7.48	8	107
NC*				

<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	22.79	24	105	Male	140.45	190	135 ^+
Female	15.23	18	118	Female	126.31	127	101
Total	38.03	42	110	Total	266.75	317	119 ~+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MATTAPOISETT

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	5.15	5	97	Male	2.63	3	NC*
Female	1.90	2	NC*	Female	2.11	2	NC*
Total	7.05	7	99	Total	4.75	5	105
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.72	1	NC*	Male	0.93	0	NC*
Female	1.63	0	NC*	Female	0.85	1	NC*
Total	3.35	1	NC*	Total	1.79	1	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.28	0	NC*	Male	3.74	1	NC*
Female	30.65	33	108	Female	3.36	1	NC*
Total	30.92	33	107	Total	7.10	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	3.57	2	NC*
Female	1.88	1	NC*	Female	1.56	3	NC*
				Total	5.12	5	98
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	13.66	9	66				
Female	12.62	13	103	Female	3.69	2	NC*
Total	26.28	22	84				

<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.80	1	NC*	Male	1.90	6	316 #+
Female	0.63	1	NC*	Female	2.00	2	NC*
Total	2.43	2	NC*	Total	3.90	8	205
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.73	0	NC*	Male	30.39	35	115
Female	0.59	1	NC*				
Total	1.32	1	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	3.04	1	NC*	Male	2.26	1	NC*
Female	1.81	0	NC*	Female	1.37	3	NC*
Total	4.84	1	NC*	Total	3.64	4	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.95	2	NC*	Male	1.00	1	NC*
Female	0.53	1	NC*				
Total	2.48	3	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	2.02	1	NC*	Male	0.47	0	NC*
Female	1.51	4	NC*	Female	1.29	1	NC*
Total	3.52	5	142	Total	1.76	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.85	1	NC*				
Female	0.38	1	NC*	Female	5.82	7	120
Total	1.23	2	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	17.01	12	71	Male	102.18	86	84
Female	11.90	14	118	Female	94.98	104	109
Total	28.91	26	90	Total	197.17	190	96

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MAYNARD

## Cancer Incidence by Sex, 1990 - 1995

### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	7.04	12	170	Male	3.87	2	NC*
Female	2.76	4	NC*	Female	3.28	2	NC*
Total	9.80	16	163	Total	7.16	4	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	2.62	4	NC*	Male	1.28	0	NC*
Female	2.48	1	NC*	Female	1.23	2	NC*
Total	5.11	5	98	Total	2.51	2	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.38	0	NC*	Male	5.59	4	NC*
Female	45.30	55	121	Female	5.01	11	219 #+
Total	45.68	55	120	Total	10.60	15	142
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	4.99	4	NC*
Female	3.07	4	NC*	Female	2.27	1	NC*
				Total	7.27	5	69
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	18.66	16	86				
Female	18.40	14	76	Female	5.54	7	126
Total	37.06	30	81				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	2.44	3	NC*	Male	2.60	1	NC*
Female	0.91	1	NC*	Female	2.91	1	NC*
Total	3.35	4	NC*	Total	5.51	2	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.32	2	NC*	Male	40.66	45	111
Female	1.05	0	NC*				
Total	2.37	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	4.22	4	NC*	Male	3.13	8	256 #+
Female	2.65	3	NC*	Female	2.01	1	NC*
Total	6.87	7	102	Total	5.14	9	175
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	2.64	1	NC*	Male	2.06	2	NC*
Female	0.76	0	NC*				
Total	3.40	1	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	2.95	5	169	Male	0.79	0	NC*
Female	2.31	1	NC*	Female	2.17	3	NC*

Total	5.26	6	114	Total	2.96	3	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.18	0	NC*	Female	8.41	12	143
Female	0.56	0	NC*				
Total	1.74	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	23.01	22	96	Male	141.80	147	104
Female	17.17	14	82	Female	140.47	147	105
Total	40.18	36	90	Total	282.27	294	104

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MEDFIELD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	6.38	7	110	Male	3.83	4	NC*
Female	2.22	1	NC*	Female	3.08	8	260 #+
Total	8.61	8	93	Total	6.91	12	174
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	2.71	2	NC*	Male	1.19	4	NC*
Female	2.35	1	NC*	Female	1.03	2	NC*
Total	5.06	3	NC*	Total	2.21	6	271
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.36	1	NC*	Male	5.36	8	149
Female	42.09	41	97	Female	4.24	15	354 ^+
Total	42.45	42	99	Total	9.60	23	239 ^+
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	5.26	5	95
Female	2.94	3	NC*	Female	2.08	3	NC*



				Total	7.34	8	109
<u>Colon / Rectum</u>			<u>Ovary</u>				
Male	17.05	14	82				
Female	14.31	7	49	Female	5.24	4	NC*
Total	31.36	21	67				
<u>Esophagus</u>			<u>Pancreas</u>				
Male	2.47	0	NC*	Male	2.53	2	NC*
Female	0.72	3	NC*	Female	2.33	1	NC*
Total	3.19	3	NC*	Total	4.86	3	NC*
<u>Hodgkin's Disease</u>			<u>Prostate</u>				
Male	1.29	3	NC*	Male	38.19	33	86
Female	0.99	1	NC*				
Total	2.28	4	NC*				
<u>Kidney and Renal Pelvis</u>			<u>Stomach</u>				
Male	4.31	5	116	Male	2.83	4	NC*
Female	2.37	3	NC*	Female	1.55	1	NC*
Total	6.68	8	120	Total	4.38	5	114
<u>Larynx</u>			<u>Testis</u>				
Male	2.78	3	NC*	Male	1.89	4	NC*
Female	0.74	2	NC*				
Total	3.53	5	142				
<u>Leukemia</u>			<u>Thyroid</u>				
Male	2.92	1	NC*	Male	0.79	1	NC*
Female	2.05	3	NC*	Female	2.08	1	NC*
Total	4.97	4	NC*	Total	2.87	2	NC*
<u>Liver and Intrahepatic Bile Ducts</u>			<u>Uteri, Corpus and Uterus, NOS</u>				
Male	1.18	0	NC*				
Female	0.47	0	NC*	Female	7.96	9	113
Total	1.65	0	NC*				
<u>Lung and Bronchus</u>			<u>All Sites / Types</u>				
Male	22.96	10	44 ~-	Male	136.11	121	89
Female	15.40	15	97	Female	124.83	134	107
Total	38.37	25	65 #-	Total	260.94	255	98

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**MEDFORD****Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	46.50	50	108	Male	23.44	16	68
Female	19.89	21	106	Female	21.36	22	103
Total	66.39	71	107	Total	44.80	38	85
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	15.34	16	104	Male	8.34	6	72
Female	16.26	10	62	Female	8.81	13	148
Total	31.60	26	82	Total	17.15	19	111
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	2.45	6	245	Male	34.06	27	79
Female	304.38	306	101	Female	34.94	53	152 ~+
Total	306.83	312	102	Total	69.00	80	116
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	30.41	31	102
Female	19.22	12	62	Female	15.56	19	122
				Total	45.97	50	109
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	123.29	156	127 ~+				
Female	134.05	153	114	Female	36.55	36	99
Total	257.34	309	120 ~+				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	15.49	20	129	Male	16.89	18	107
Female	6.65	3	NC*	Female	20.99	17	81
Total	22.13	23	104	Total	37.88	35	92
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	7.13	13	182	Male	276.64	246	89
Female	6.36	4	NC*				
Total	13.48	17	126				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	26.45	29	110	Male	20.40	25	123
Female	18.20	17	93	Female	14.69	17	116
Total	44.64	46	103	Total	35.09	42	120
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	16.59	24	145	Male	10.65	6	56

Female	5.09	3	NC*				
Total	21.68	27	125				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	18.07	25	138	Male	4.41	3	NC*
Female	15.55	11	71	Female	13.34	18	135
Total	33.62	36	107	Total	17.74	21	118
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	7.50	5	67				
Female	3.96	4	NC*	Female	56.85	67	118
Total	11.45	9	79				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	149.78	160	107	Male	918.15	943	103
Female	118.81	148	125 #+	Female	963.18	1034	107 #+
Total	268.60	308	115 #+	Total	1881.33	1977	105 #+

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- indicates number of observed cases is statistically significantly lower than the expected number of cases

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~ indicates statistical significance at the **p** ≤ 0.01 level, as well as at the **p** ≤ 0.05 level

^ indicates statistical significance at the **p** ≤ 0.001 level, as well as at the **p** ≤ 0.05 and **p** ≤ 0.01 levels

## MEDWAY

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	5.87	14	238 ~+	Male	3.47	5	144
Female	2.46	5	203	Female	3.07	2	NC*
Total	8.34	19	228 ~+	Total	6.54	7	107
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	2.46	2	NC*	Male	1.09	2	NC*
Female	2.32	1	NC*	Female	1.09	0	NC*
Total	4.78	3	NC*	Total	2.18	2	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.33	0	NC*	Male	4.93	6	122

Female	41.28	34	82	Female	4.51	3	NC*
Total	41.61	34	82	Total	9.44	9	95
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	2.90	2	NC*	Male	4.64	5	108
				Female	2.08	2	NC*
				Total	6.71	7	104
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	15.66	21	134	Female	5.11	4	NC*
Female	16.36	16	98				
Total	32.01	37	116				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	2.19	2	NC*	Male	2.28	2	NC*
Female	0.80	0	NC*	Female	2.55	2	NC*
Total	3.00	2	NC*	Total	4.83	4	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.23	1	NC*	Male	34.66	38	110
Female	1.02	2	NC*				
Total	2.25	3	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	3.85	2	NC*	Male	2.61	5	192
Female	2.36	1	NC*	Female	1.83	1	NC*
Total	6.21	3	NC*	Total	4.44	6	135
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	2.44	4	NC*	Male	1.85	2	NC*
Female	0.68	0	NC*				
Total	3.12	4	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	2.68	3	NC*	Male	0.73	0	NC*
Female	2.19	2	NC*	Female	2.08	1	NC*
Total	4.87	5	103	Total	2.81	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.06	0	NC*	Female	7.56	10	132
Female	0.50	0	NC*				
Total	1.56	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	20.50	27	132	Male	123.56	153	124 #+
Female	14.82	10	67	Female	126.92	112	88
Total	35.32	37	105	Total	250.48	265	106

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (Obs / Exp) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

- + indicates number of observed cases is statistically significantly higher than the expected number of cases  
 - indicates number of observed cases is statistically significantly lower than the expected number of cases  
 # indicates statistical significance at the  $p \leq 0.05$  level  
 ~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level  
 ^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## MELROSE

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	23.03	20	87	Male	11.49	14	122
Female	10.12	12	119	Female	10.38	12	116
Total	33.14	32	97	Total	21.87	26	119
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	7.42	7	94	Male	4.13	5	121
Female	7.89	10	127	Female	4.43	8	180
Total	15.31	17	111	Total	8.57	13	152
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	1.21	2	NC*	Male	16.51	11	67
Female	150.01	147	98	Female	17.41	15	86
Total	151.22	149	99	Total	33.92	26	77
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	15.14	6	40 #-
Female	9.08	9	99	Female	7.72	11	143
				Total	22.86	17	74
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	60.86	52	85				
Female	68.52	81	118	Female	17.87	24	134
Total	129.38	133	103				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	7.73	2	NC*	Male	8.31	8	96
Female	3.38	2	NC*	Female	10.58	10	94
Total	11.11	4	NC*	Total	18.89	18	95
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	3.26	2	NC*	Male	134.17	110	82 #-
Female	2.92	5	171				
Total	6.18	7	113				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	13.02	9	69	Male	10.13	12	118

Female	8.94	11	123	Female	7.60	5	66
Total	21.96	20	91	Total	17.73	17	96
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	8.25	9	109	Male	4.67	6	128
Female	2.48	3	NC*				
Total	10.74	12	112				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	8.82	5	57	Male	2.07	7	338 #+
Female	7.75	11	142	Female	6.25	4	NC*
Total	16.58	16	97	Total	8.33	11	132
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	3.68	5	136				
Female	1.97	1	NC*	Female	27.89	23	82
Total	5.66	6	106				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	73.47	63	86	Male	448.79	382	85 ~-
Female	57.80	55	95	Female	477.21	493	103
Total	131.27	118	90	Total	925.99	875	94

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## MENDON

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	2.70	5	185	Male	1.57	1	NC*
Female	0.86	3	NC*	Female	1.19	0	NC*
Total	3.56	8	225	Total	2.76	1	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.09	3	NC*	Male	0.50	0	NC*

Female	0.91	0	NC*	Female	0.40	0	NC*
Total	2.00	3	NC*	Total	0.89	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.15	1	NC*	Male	2.23	2	NC*
Female	16.03	16	100	Female	1.65	0	NC*
Total	16.18	17	105	Total	3.88	2	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	1.16	0	NC*	Male	2.07	2	NC*
				Female	0.79	0	NC*
				Total	2.87	2	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	7.16	3	NC*	Female	2.01	2	NC*
Female	5.59	9	161				
Total	12.75	12	94				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.99	0	NC*	Male	1.03	0	NC*
Female	0.28	0	NC*	Female	0.91	0	NC*
Total	1.26	0	NC*	Total	1.93	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.54	0	NC*	Male	15.45	12	78
Female	0.40	1	NC*				
Total	0.95	1	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	1.71	3	NC*	Male	1.21	1	NC*
Female	0.91	0	NC*	Female	0.61	1	NC*
Total	2.62	3	NC*	Total	1.81	2	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.09	1	NC*	Male	0.83	2	NC*
Female	0.28	1	NC*				
Total	1.36	2	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.20	1	NC*	Male	0.33	0	NC*
Female	0.80	1	NC*	Female	0.83	0	NC*
Total	2.00	2	NC*	Total	1.15	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.47	1	NC*	Female	3.00	3	NC*
Female	0.18	0	NC*				
Total	0.65	1	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	9.10	17	187 #+	Male	55.51	60	108
Female	5.88	6	102	Female	48.00	49	102
Total	14.99	23	153	Total	103.50	109	105

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## MERRIMAC

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	3.58	3	NC*	Male	2.00	2	NC*
Female	1.29	0	NC*	Female	1.64	1	NC*
Total	4.88	3	NC*	Total	3.64	3	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	1.36	0	NC*	Male	0.65	0	NC*
Female	1.26	1	NC*	Female	0.59	0	NC*
Total	2.61	1	NC*	Total	1.24	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.20	0	NC*	Male	2.81	3	NC*
Female	22.65	21	93	Female	2.41	0	NC*
Total	22.84	21	92	Total	5.23	3	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	2.69	4	NC*
Female	1.55	0	NC*	Female	1.13	0	NC*
				Total	3.82	4	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	9.49	7	74				
Female	8.53	10	117	Female	2.79	8	287 #+
Total	18.01	17	94				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	1.30	3	NC*	Male	1.35	1	NC*
Female	0.42	1	NC*	Female	1.37	0	NC*
Total	1.73	4	NC*	Total	2.73	1	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			



Male	0.63	1	NC*	Male	20.67	22	106
Female	0.53	2	NC*				
Total	1.16	3	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	2.23	7	315 #+	Male	1.59	0	NC*
Female	1.31	0	NC*	Female	0.92	1	NC*
Total	3.54	7	198	Total	2.52	1	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.43	2	NC*	Male	0.92	1	NC*
Female	0.39	0	NC*				
Total	1.82	2	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.52	1	NC*	Male	0.39	0	NC*
Female	1.13	3	NC*	Female	1.10	2	NC*
Total	2.65	4	NC*	Total	1.49	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.62	0	NC*				
Female	0.27	0	NC*	Female	4.26	3	NC*
Total	0.89	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	12.04	6	50	Male	72.72	69	95
Female	8.59	9	105	Female	69.00	64	93
Total	20.62	15	73	Total	141.72	133	94

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

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+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## METHUEN

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			

Male	32.24	46	143 #+	Male	16.08	9	56
Female	13.69	17	124	Female	14.10	7	50
Total	45.92	63	137 #+	Total	30.18	16	53 ~-
<b><u>Brain and Central Nervous System</u></b>			<b><u>Multiple Myeloma</u></b>				
Male	10.75	17	158	Male	5.79	5	86
Female	11.01	15	136	Female	6.06	8	132
Total	21.76	32	147 #+	Total	11.85	13	110
<b><u>Breast</u></b>			<b><u>Non-Hodgkin's Lymphoma</u></b>				
Male	1.69	4	NC*	Male	23.39	21	90
Female	205.13	212	103	Female	23.76	35	147 #+
Total	206.82	216	104	Total	47.16	56	119
<b><u>Cervix Uteri</u></b>			<b><u>Oral Cavity and Pharynx</u></b>				
Female	12.35	7	57	Male	21.10	23	109
				Female	10.56	8	76
				Total	31.66	31	98
<b><u>Colon / Rectum</u></b>			<b><u>Ovary</u></b>				
Male	85.59	114	133 ~+	Female	24.49	23	94
Female	92.43	79	85				
Total	178.02	193	108				
<b><u>Esophagus</u></b>			<b><u>Pancreas</u></b>				
Male	10.80	15	139	Male	11.75	15	128
Female	4.59	10	218 #+	Female	14.46	17	118
Total	15.39	25	162 #+	Total	26.21	32	122
<b><u>Hodgkin's Disease</u></b>			<b><u>Prostate</u></b>				
Male	4.84	6	124	Male	193.50	220	114
Female	4.08	3	NC*				
Total	8.91	9	101				
<b><u>Kidney and Renal Pelvis</u></b>			<b><u>Stomach</u></b>				
Male	18.48	19	103	Male	14.10	16	113
Female	12.44	24	193 ~+	Female	10.12	9	89
Total	30.92	43	139 #+	Total	24.22	25	103
<b><u>Larynx</u></b>			<b><u>Testis</u></b>				
Male	11.60	13	112	Male	6.85	3	NC*
Female	3.46	7	202				
Total	15.06	20	133				
<b><u>Leukemia</u></b>			<b><u>Thyroid</u></b>				
Male	12.78	17	133	Male	2.96	5	169
Female	10.69	13	122	Female	8.53	6	70
Total	23.47	30	128	Total	11.49	11	96
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			<b><u>Uteri, Corpus and Uterus, NOS</u></b>				
Male	5.23	6	115	Female	38.57	42	109
Female	2.72	3	NC*				
Total	7.96	9	113				
<b><u>Lung and Bronchus</u></b>			<b><u>All Sites / Types</u></b>				

Male	104.76	115	110	Male	638.89	743	116 ^+
Female	81.19	63	78 #-	Female	653.54	645	99
Total	185.95	178	96	Total	1292.42	1388	107 ~+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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# indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## MIDDLEBOROUGH

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	10.84	5	46	Male	6.14	6	98
Female	4.49	5	111	Female	5.39	4	NC*
Total	15.33	10	65	Total	11.53	10	87
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	4.30	4	NC*	Male	1.98	1	NC*
Female	4.11	2	NC*	Female	1.98	0	NC*
Total	8.41	6	71	Total	3.96	1	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.60	1	NC*	Male	8.82	11	125
Female	72.39	66	91	Female	8.15	7	86
Total	72.99	67	92	Total	16.98	18	106
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	8.00	4	NC*
Female	5.09	7	138	Female	3.67	0	NC*
				Total	11.67	4	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	28.72	27	94				
Female	30.04	35	116	Female	8.93	9	101
Total	58.77	62	106				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			

Male	3.86	5	130	Male	4.06	9	222 #+
Female	1.48	1	NC*	Female	4.66	3	NC*
Total	5.34	6	112	Total	8.72	12	138
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	2.18	3	NC*	Male	62.33	58	93
Female	1.83	3	NC*				
Total	4.01	6	150				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	6.72	9	134	Male	4.82	6	124
Female	4.22	5	119	Female	3.34	2	NC*
Total	10.93	14	128	Total	8.17	8	98
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	4.20	3	NC*	Male	3.30	6	182
Female	1.18	0	NC*				
Total	5.38	3	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	4.80	4	NC*	Male	1.27	2	NC*
Female	3.93	3	NC*	Female	3.66	3	NC*
Total	8.74	7	80	Total	4.93	5	101
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.86	3	NC*				
Female	0.91	0	NC*	Female	13.21	14	106
Total	2.77	3	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	36.01	49	136 #+	Male	221.17	231	104
Female	26.53	27	102	Female	226.09	213	94
Total	62.55	76	122	Total	447.27	444	99

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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## MIDDLEFIELD

### Cancer Incidence by Sex, 1990 - 1995

### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.29	1	NC*	Male	0.16	0	NC*
Female	0.09	0	NC*	Female	0.12	0	NC*
Total	0.38	1	NC*	Total	0.28	0	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.11	0	NC*	Male	0.05	0	NC*
Female	0.09	0	NC*	Female	0.04	0	NC*
Total	0.20	0	NC*	Total	0.09	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.02	0	NC*	Male	0.23	0	NC*
Female	1.62	3	NC*	Female	0.17	0	NC*
Total	1.64	3	NC*	Total	0.40	0	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	0.22	0	NC*
Female	0.11	0	NC*	Female	0.08	0	NC*
				Total	0.30	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	0.75	0	NC*				
Female	0.59	0	NC*	Female	0.20	0	NC*
Total	1.35	0	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.10	0	NC*	Male	0.11	0	NC*
Female	0.03	0	NC*	Female	0.10	0	NC*
Total	0.13	0	NC*	Total	0.20	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.05	0	NC*	Male	1.57	1	NC*
Female	0.04	0	NC*				
Total	0.09	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.18	0	NC*	Male	0.13	0	NC*
Female	0.09	0	NC*	Female	0.06	0	NC*
Total	0.27	0	NC*	Total	0.19	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.11	0	NC*	Male	0.08	0	NC*
Female	0.03	0	NC*				
Total	0.14	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.12	0	NC*	Male	0.03	0	NC*
Female	0.08	0	NC*	Female	0.08	0	NC*
Total	0.20	0	NC*	Total	0.11	0	NC*

**Liver and Intrahepatic Bile Ducts**

Male	0.05	0
Female	0.02	0
Total	0.07	0

**Uteri, Corpus and Uterus, NOS**

NC*	Female	0.31	0	NC*
NC*				
NC*				

**Lung and Bronchus**

Male	0.94	1
Female	0.60	0
Total	1.54	1

**All Sites / Types**

NC*	Male	5.73	3	NC*
NC*	Female	4.88	3	NC*
NC*	Total	10.61	6	57

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MIDDLETON

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	4.62	1	NC*	Male	2.38	3	NC*
Female	1.45	0	NC*	Female	1.77	1	NC*
Total	6.07	1	NC*	Total	4.15	4	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.57	0	NC*	Male	0.84	0	NC*
Female	1.36	1	NC*	Female	0.66	0	NC*
Total	2.92	1	NC*	Total	1.50	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.25	0	NC*	Male	3.40	4	NC*
Female	25.09	21	84	Female	2.66	0	NC*
Total	25.34	21	83	Total	6.06	4	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	3.20	1	NC*
Female	1.63	2	NC*	Female	1.26	2	NC*
				Total	4.46	3	NC*

<b><u>Colon / Rectum</u></b>			<b><u>Ovary</u></b>		
Male	12.28	8	65		
Female	9.53	7	73	Female	3.06 3 NC*
Total	21.81	15	69		
<b><u>Esophagus</u></b>			<b><u>Pancreas</u></b>		
Male	1.61	1	NC*	Male	1.71 4 NC*
Female	0.48	1	NC*	Female	1.54 3 NC*
Total	2.09	2	NC*	Total	3.25 7 215
<b><u>Hodgkin's Disease</u></b>			<b><u>Prostate</u></b>		
Male	0.68	3	NC*	Male	27.58 19 69
Female	0.53	0	NC*		
Total	1.21	3	NC*		
<b><u>Kidney and Renal Pelvis</u></b>			<b><u>Stomach</u></b>		
Male	2.75	2	NC*	Male	2.02 4 NC*
Female	1.46	3	NC*	Female	1.03 0 NC*
Total	4.21	5	119	Total	3.05 4 NC*
<b><u>Larynx</u></b>			<b><u>Testis</u></b>		
Male	1.75	4	NC*	Male	0.97 3 NC*
Female	0.44	1	NC*		
Total	2.19	5	228		
<b><u>Leukemia</u></b>			<b><u>Thyroid</u></b>		
Male	1.82	1	NC*	Male	0.44 1 NC*
Female	1.21	0	NC*	Female	1.13 1 NC*
Total	3.03	1	NC*	Total	1.57 2 NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			<b><u>Uteri, Corpus and Uterus, NOS</u></b>		
Male	0.77	1	NC*		
Female	0.30	0	NC*	Female	4.78 6 126
Total	1.07	1	NC*		
<b><u>Lung and Bronchus</u></b>			<b><u>All Sites / Types</u></b>		
Male	15.41	18	117	Male	92.49 85 92
Female	9.63	8	83	Female	76.40 65 85
Total	25.04	26	104	Total	168.88 150 89

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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**MILFORD****Cancer Incidence by Sex, 1990 - 1995****Expected and Observed Case Counts, with Standardized Incidence Ratios**

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	17.35	26	150	Male	9.30	6	65
Female	6.87	16	233 ~+	Female	8.00	7	88
Total	24.22	42	173 ~+	Total	17.29	13	75
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	6.30	3	NC*	Male	3.15	2	NC*
Female	6.10	6	98	Female	3.06	5	163
Total	12.40	9	73	Total	6.21	7	113
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.93	2	NC*	Male	13.40	10	75
Female	110.83	119	107	Female	12.40	17	137
Total	111.77	121	108	Total	25.80	27	105
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	12.16	9	74
Female	7.41	7	94	Female	5.61	3	NC*
				Total	17.77	12	68
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	46.02	40	87				
Female	45.93	48	105	Female	13.52	12	89
Total	91.95	88	96				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	6.01	6	100	Male	6.42	8	125
Female	2.28	0	NC*	Female	7.24	10	138
Total	8.29	6	72	Total	13.66	18	132
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	3.03	1	NC*	Male	101.80	104	102
Female	2.55	1	NC*				
Total	5.58	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	10.37	10	96	Male	7.66	8	104
Female	6.53	3	NC*	Female	5.03	11	219 #+
Total	16.90	13	77	Total	12.69	19	150
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	6.52	5	77	Male	4.55	6	132
Female	1.86	2	NC*				



Total	8.37	7	84				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	7.19	4	NC*	Male	1.84	0	NC*
Female	5.73	3	NC*	Female	5.23	5	96
Total	12.92	7	54	Total	7.06	5	71
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	2.90	1	NC*				
Female	1.39	3	NC*	Female	20.61	13	63
Total	4.30	4	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	57.12	73	128 #+	Male	349.05	348	100
Female	42.26	31	73	Female	345.81	339	98
Total	99.37	104	105	Total	694.86	687	99

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MILLBURY

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	10.01	17	170	Male	5.11	11	215 #+
Female	3.93	3	NC*	Female	4.29	5	116
Total	13.94	20	143	Total	9.40	16	170
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.37	6	178	Male	1.80	1	NC*
Female	3.26	1	NC*	Female	1.74	1	NC*
Total	6.64	7	105	Total	3.54	2	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.53	0	NC*	Male	7.37	6	81
Female	60.94	50	82	Female	6.91	6	87

Total	61.47	50	81	Total	14.28	12	84
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	3.86	2	NC*	Male	6.70	2	NC*
				Female	3.12	8	257 #+
				Total	9.82	10	102
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	26.50	26	98	Female	7.34	2	NC*
Female	26.42	18	68				
Total	52.91	44	83				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	3.38	5	148	Male	3.64	0	NC*
Female	1.31	0	NC*	Female	4.11	2	NC*
Total	4.69	5	107	Total	7.76	2	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.55	1	NC*	Male	58.76	49	83
Female	1.27	2	NC*				
Total	2.81	3	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	5.76	6	104	Male	4.41	4	NC*
Female	3.59	3	NC*	Female	2.92	0	NC*
Total	9.35	9	96	Total	7.33	4	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	3.63	3	NC*	Male	2.26	6	265
Female	1.02	2	NC*				
Total	4.66	5	107				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	3.95	9	228 #+	Male	0.96	0	NC*
Female	3.13	3	NC*	Female	2.68	3	NC*
Total	7.09	12	169	Total	3.64	3	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.63	0	NC*	Female	11.35	9	79
Female	0.78	1	NC*				
Total	2.40	1	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	32.28	30	93	Male	197.53	197	100
Female	23.21	29	125	Female	191.47	158	83 #-
Total	55.50	59	106	Total	389.00	355	91

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

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 # indicates statistical significance at the  $p \leq 0.05$  level  
 ~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level  
 ^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## MILLIS

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	4.38	3	NC*	Male	2.62	5	191
Female	1.36	2	NC*	Female	2.02	5	247
Total	5.73	5	87	Total	4.64	10	215 #+
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.85	2	NC*	Male	0.81	2	NC*
Female	1.50	0	NC*	Female	0.62	0	NC*
Total	3.34	2	NC*	Total	1.43	2	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.25	0	NC*	Male	3.73	3	NC*
Female	26.00	29	112	Female	2.67	4	NC*
Total	26.24	29	111	Total	6.40	7	109
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	3.48	4	NC*
Female	2.02	3	NC*	Female	1.27	1	NC*
				Total	4.75	5	105
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	11.67	15	128				
Female	8.82	9	102	Female	3.29	5	152
Total	20.49	24	117				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.64	1	NC*	Male	1.71	1	NC*
Female	0.43	2	NC*	Female	1.42	3	NC*
Total	2.07	3	NC*	Total	3.13	4	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.94	0	NC*	Male	26.02	32	123
Female	0.73	2	NC*				
Total	1.67	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	2.88	2	NC*	Male	1.95	2	NC*
Female	1.44	1	NC*	Female	0.97	1	NC*

Total	4.32	3	NC*	Total	2.91	3	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.83	1	NC*	Male	1.46	4	NC*
Female	0.43	0	NC*				
Total	2.26	1	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.99	1	NC*	Male	0.56	0	NC*
Female	1.32	2	NC*	Female	1.47	1	NC*
Total	3.31	3	NC*	Total	2.03	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.79	3	NC*				
Female	0.29	0	NC*	Female	4.76	9	189
Total	1.08	3	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	15.36	18	117	Male	92.68	108	117
Female	9.16	10	109	Female	77.36	96	124 #+
Total	24.51	28	114	Total	170.04	204	120 #+

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**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

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~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## MILLVILLE

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	1.15	2	NC*	Male	0.73	2	NC*
Female	0.42	1	NC*	Female	0.65	0	NC*
Total	1.57	3	NC*	Total	1.38	2	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.54	0	NC*	Male	0.21	0	NC*
Female	0.50	0	NC*	Female	0.19	0	NC*

Total	1.03	0	NC*	Total	0.40	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.07	0	NC*	Male	1.05	1	NC*
Female	8.12	14	172	Female	0.85	0	NC*
Total	8.19	14	171	Total	1.89	1	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	0.67	0	NC*	Male	0.93	0	NC*
				Female	0.40	1	NC*
				Total	1.33	1	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	3.07	2	NC*	Female	1.05	1	NC*
Female	2.70	3	NC*				
Total	5.76	5	87				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.43	0	NC*	Male	0.45	0	NC*
Female	0.13	0	NC*	Female	0.44	0	NC*
Total	0.56	0	NC*	Total	0.89	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.30	0	NC*	Male	6.77	5	74
Female	0.26	0	NC*				
Total	0.56	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.77	0	NC*	Male	0.52	0	NC*
Female	0.46	0	NC*	Female	0.29	0	NC*
Total	1.23	0	NC*	Total	0.81	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.48	0	NC*	Male	0.48	0	NC*
Female	0.13	0	NC*				
Total	0.61	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.57	2	NC*	Male	0.17	0	NC*
Female	0.44	0	NC*	Female	0.50	0	NC*
Total	1.00	2	NC*	Total	0.67	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.21	1	NC*	Female	1.48	1	NC*
Female	0.09	0	NC*				
Total	0.30	1	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	4.01	4	NC*	Male	24.78	20	81
Female	2.89	1	NC*	Female	24.35	24	99
Total	6.90	5	72	Total	49.13	44	90

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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## MILTON

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	22.68	32	141	Male	10.84	18	166
Female	9.23	15	163	Female	9.32	18	193 #+
Total	31.91	47	147 #+	Total	20.16	36	179 ~+
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	7.06	9	127	Male	4.06	4	NC*
Female	7.24	10	138	Female	4.07	6	147
Total	14.30	19	133	Total	8.13	10	123
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	1.18	1	NC*	Male	15.75	15	95
Female	136.83	192	140 ^+	Female	15.87	19	120
Total	138.01	193	140 ^+	Total	31.62	34	108
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	14.28	10	70
Female	8.03	12	149	Female	7.05	6	85
				Total	21.33	16	75
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	60.02	85	142 ~+				
Female	62.44	64	103	Female	16.26	11	68
Total	122.46	149	122 #+				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	7.45	8	107	Male	8.11	7	86
Female	3.09	0	NC*	Female	9.72	10	103
Total	10.54	8	76	Total	17.82	17	95
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	2.99	3	NC*	Male	134.27	181	135 ^+

Female	2.58	2	NC*				
Total	5.57	5	90				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	12.56	9	72	Male	9.91	8	81
Female	8.26	7	85	Female	6.87	14	204 #+
Total	20.83	16	77	Total	16.78	22	131
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	7.91	11	139	Male	4.04	5	124
Female	2.30	5	217				
Total	10.21	16	157				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	8.63	4	NC*	Male	1.88	1	NC*
Female	7.09	4	NC*	Female	5.51	9	163
Total	15.72	8	51	Total	7.39	10	135
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	3.58	5	140				
Female	1.81	1	NC*	Female	25.71	31	121
Total	5.39	6	111				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	71.96	63	88	Male	439.57	505	115 ~+
Female	53.83	50	93	Female	436.06	521	119 ^+
Total	125.79	113	90	Total	875.63	1026	117 ^+

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^ indicates statistical significance at the **p** ≤ 0.001 level, as well as at the **p** ≤ 0.05 and **p** ≤ 0.01 levels

## MONROE

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.15	0	NC*	Male	0.07	0	NC*

Female	0.03	0	NC*	Female	0.04	0	NC*
Total	0.19	0	NC*	Total	0.11	0	NC*
<b><u>Brain and Central Nervous System</u></b>			<b><u>Multiple Myeloma</u></b>				
Male	0.04	0	NC*	Male	0.03	0	NC*
Female	0.03	0	NC*	Female	0.01	0	NC*
Total	0.07	0	NC*	Total	0.04	0	NC*
<b><u>Breast</u></b>			<b><u>Non-Hodgkin's Lymphoma</u></b>				
Male	0.01	0	NC*	Male	0.10	0	NC*
Female	0.55	1	NC*	Female	0.06	0	NC*
Total	0.56	1	NC*	Total	0.16	0	NC*
<b><u>Cervix Uteri</u></b>			<b><u>Oral Cavity and Pharynx</u></b>				
Female	0.03	0	NC*	Male	0.09	0	NC*
				Female	0.03	0	NC*
				Total	0.12	0	NC*
<b><u>Colon / Rectum</u></b>			<b><u>Ovary</u></b>				
Male	0.40	0	NC*				
Female	0.21	0	NC*	Female	0.07	0	NC*
Total	0.62	0	NC*				
<b><u>Esophagus</u></b>			<b><u>Pancreas</u></b>				
Male	0.05	0	NC*	Male	0.05	0	NC*
Female	0.01	0	NC*	Female	0.03	0	NC*
Total	0.06	0	NC*	Total	0.09	0	NC*
<b><u>Hodgkin's Disease</u></b>			<b><u>Prostate</u></b>				
Male	0.02	0	NC*	Male	0.90	0	NC*
Female	0.01	0	NC*				
Total	0.03	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>			<b><u>Stomach</u></b>				
Male	0.08	0	NC*	Male	0.07	0	NC*
Female	0.03	0	NC*	Female	0.02	0	NC*
Total	0.11	0	NC*	Total	0.09	0	NC*
<b><u>Larynx</u></b>			<b><u>Testis</u></b>				
Male	0.05	0	NC*	Male	0.02	0	NC*
Female	0.01	0	NC*				
Total	0.06	0	NC*				
<b><u>Leukemia</u></b>			<b><u>Thyroid</u></b>				
Male	0.05	0	NC*	Male	0.01	0	NC*
Female	0.03	0	NC*	Female	0.02	0	NC*
Total	0.08	0	NC*	Total	0.03	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			<b><u>Uteri, Corpus and Uterus, NOS</u></b>				
Male	0.02	0	NC*				
Female	0.01	0	NC*	Female	0.11	1	NC*
Total	0.03	0	NC*				
<b><u>Lung and Bronchus</u></b>			<b><u>All Sites / Types</u></b>				
Male	0.47	1	NC*	Male	2.88	1	NC*



Female	0.21	0	NC*	Female	1.68	2	NC*
Total	0.68	1	NC*	Total	4.56	3	NC*

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

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\* = **SIR** and statistical significance not calculated when **Obs** < 5

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## MONSON

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	5.55	6	108	Male	3.04	6	197
Female	1.93	0	NC*	Female	2.48	2	NC*
Total	7.47	6	80	Total	5.52	8	145
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	2.07	3	NC*	Male	1.02	1	NC*
Female	1.89	0	NC*	Female	0.88	2	NC*
Total	3.96	3	NC*	Total	1.89	3	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.30	1	NC*	Male	4.34	3	NC*
Female	34.09	38	111	Female	3.60	3	NC*
Total	34.40	39	113	Total	7.94	6	76
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	4.06	3	NC*
Female	2.35	1	NC*	Female	1.70	1	NC*
				Total	5.76	4	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	14.77	11	74				
Female	12.63	17	135	Female	4.21	2	NC*
Total	27.40	28	102				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.99	1	NC*	Male	2.10	2	NC*

Female	0.63	0	NC*	Female	2.03	3	NC*
Total	2.62	1	NC*	Total	4.13	5	121
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.97	1	NC*	Male	33.01	30	91
Female	0.80	0	NC*				
Total	1.77	1	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	3.44	2	NC*	Male	2.44	1	NC*
Female	1.96	1	NC*	Female	1.37	0	NC*
Total	5.40	3	NC*	Total	3.81	1	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	2.18	1	NC*	Male	1.44	2	NC*
Female	0.59	2	NC*				
Total	2.77	3	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	2.34	4	NC*	Male	0.60	1	NC*
Female	1.69	3	NC*	Female	1.66	1	NC*
Total	4.03	7	174	Total	2.26	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.95	0	NC*				
Female	0.40	0	NC*	Female	6.41	12	187
Total	1.36	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	18.87	18	95	Male	113.57	103	91
Female	12.79	19	149	Female	103.39	117	113
Total	31.66	37	117	Total	216.96	220	101

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MONTAGUE

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	6.83	10	146	Male	3.35	3	NC*
Female	2.47	3	NC*	Female	2.76	4	NC*
Total	9.30	13	140	Total	6.11	7	115
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	2.22	0	NC*	Male	1.22	0	NC*
Female	2.16	3	NC*	Female	1.11	1	NC*
Total	4.38	3	NC*	Total	2.33	1	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.36	0	NC*	Male	4.88	4	NC*
Female	39.35	47	119	Female	4.41	6	136
Total	39.71	47	118	Total	9.30	10	108
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	4.41	11	249 #+
Female	2.50	2	NC*	Female	2.02	1	NC*
				Total	6.43	12	187
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	18.15	27	149				
Female	16.45	29	176 ~+	Female	4.76	14	294 ^+
Total	34.60	56	162 ~+				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	2.28	2	NC*	Male	2.49	4	NC*
Female	0.83	1	NC*	Female	2.62	8	306 #+
Total	3.10	3	NC*	Total	5.11	12	235 #+
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.98	0	NC*	Male	41.53	35	84
Female	0.84	0	NC*				
Total	1.82	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	3.89	7	180	Male	2.98	1	NC*
Female	2.37	2	NC*	Female	1.78	1	NC*
Total	6.26	9	144	Total	4.75	2	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	2.45	4	NC*	Male	1.38	4	NC*
Female	0.68	0	NC*				
Total	3.13	4	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	2.66	4	NC*	Male	0.61	0	NC*
Female	2.01	5	248	Female	1.74	2	NC*
Total	4.67	9	193	Total	2.35	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.10	1	NC*				

Female	0.51	0	NC*	Female	7.46	9	121
Total	1.61	1	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	22.26	32	144	Male	135.35	161	119 #+
Female	15.56	20	129	Female	123.41	164	133 ^+
Total	37.82	52	137 #+	Total	258.75	325	126 ^+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MONTEREY

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.80	1	NC*	Male	0.39	0	NC*
Female	0.22	1	NC*	Female	0.27	1	NC*
Total	1.02	2	NC*	Total	0.67	1	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.26	0	NC*	Male	0.14	0	NC*
Female	0.21	1	NC*	Female	0.10	0	NC*
Total	0.46	1	NC*	Total	0.25	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.04	0	NC*	Male	0.57	2	NC*
Female	3.91	2	NC*	Female	0.41	0	NC*
Total	3.96	2	NC*	Total	0.97	2	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	0.53	0	NC*
Female	0.25	0	NC*	Female	0.20	0	NC*
				Total	0.72	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	2.12	2	NC*				

Female	1.45	1	NC*	Female	0.48	1	NC*
Total	3.57	3	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.27	0	NC*	Male	0.29	0	NC*
Female	0.07	0	NC*	Female	0.23	1	NC*
Total	0.34	0	NC*	Total	0.52	1	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.11	0	NC*	Male	4.77	6	126
Female	0.08	0	NC*				
Total	0.19	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.46	0	NC*	Male	0.35	0	NC*
Female	0.22	0	NC*	Female	0.16	0	NC*
Total	0.68	0	NC*	Total	0.51	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.29	0	NC*	Male	0.15	1	NC*
Female	0.07	0	NC*				
Total	0.36	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.31	0	NC*	Male	0.07	0	NC*
Female	0.18	1	NC*	Female	0.17	0	NC*
Total	0.49	1	NC*	Total	0.24	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.13	0	NC*				
Female	0.05	0	NC*	Female	0.75	0	NC*
Total	0.17	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	2.60	1	NC*	Male	15.73	13	83
Female	1.48	0	NC*	Female	11.79	9	76
Total	4.08	1	NC*	Total	27.52	22	80

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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**SIR** = standardized incidence ratio [ (Obs / Exp) X 100]

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^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

# MONTGOMERY

## Cancer Incidence by Sex, 1990 - 1995

### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.57	0	NC*	Male	0.31	0	NC*
Female	0.20	0	NC*	Female	0.25	0	NC*
Total	0.77	0	NC*	Total	0.56	0	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.21	0	NC*	Male	0.11	0	NC*
Female	0.19	0	NC*	Female	0.09	0	NC*
Total	0.40	0	NC*	Total	0.20	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.03	0	NC*	Male	0.44	0	NC*
Female	3.45	1	NC*	Female	0.37	0	NC*
Total	3.48	1	NC*	Total	0.81	0	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	0.44	0	NC*
Female	0.23	0	NC*	Female	0.17	0	NC*
				Total	0.61	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	1.54	2	NC*				
Female	1.31	1	NC*	Female	0.42	1	NC*
Total	2.85	3	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.21	0	NC*	Male	0.22	1	NC*
Female	0.07	0	NC*	Female	0.21	1	NC*
Total	0.28	0	NC*	Total	0.43	2	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.09	0	NC*	Male	3.55	2	NC*
Female	0.07	0	NC*				
Total	0.17	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.37	0	NC*	Male	0.25	0	NC*
Female	0.20	0	NC*	Female	0.14	0	NC*
Total	0.57	0	NC*	Total	0.40	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.24	0	NC*	Male	0.13	0	NC*
Female	0.06	0	NC*				
Total	0.30	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			

Male	0.24	0	NC*	Male	0.06	0	NC*
Female	0.17	0	NC*	Female	0.16	1	NC*
Total	0.41	0	NC*	Total	0.22	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.10	0	NC*				
Female	0.04	0	NC*	Female	0.65	1	NC*
Total	0.14	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	2.04	1	NC*	Male	11.98	6	50
Female	1.28	0	NC*	Female	10.48	6	57
Total	3.32	1	NC*	Total	22.46	12	53 #-

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## MOUNT WASHINGTON

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.13	0	NC*	Male	0.06	0	NC*
Female	0.05	0	NC*	Female	0.05	0	NC*
Total	0.18	0	NC*	Total	0.11	0	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.04	0	NC*	Male	0.02	0	NC*
Female	0.04	1	NC*	Female	0.02	0	NC*
Total	0.08	1	NC*	Total	0.04	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.01	0	NC*	Male	0.09	0	NC*
Female	0.71	0	NC*	Female	0.08	0	NC*
Total	0.72	0	NC*	Total	0.17	0	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			

				Male	0.09	0	NC*
Female	0.04	0	NC*	Female	0.04	0	NC*
				Total	0.13	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	0.34	1	NC*				
Female	0.32	1	NC*	Female	0.08	0	NC*
Total	0.66	2	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.05	0	NC*	Male	0.05	0	NC*
Female	0.02	0	NC*	Female	0.05	0	NC*
Total	0.06	0	NC*	Total	0.10	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.02	0	NC*	Male	0.72	0	NC*
Female	0.01	0	NC*				
Total	0.03	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.07	0	NC*	Male	0.06	0	NC*
Female	0.04	0	NC*	Female	0.03	0	NC*
Total	0.12	0	NC*	Total	0.09	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.05	0	NC*	Male	0.02	0	NC*
Female	0.01	0	NC*				
Total	0.06	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.05	0	NC*	Male	0.01	0	NC*
Female	0.03	0	NC*	Female	0.03	0	NC*
Total	0.08	0	NC*	Total	0.04	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.02	0	NC*				
Female	0.01	0	NC*	Female	0.14	0	NC*
Total	0.03	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	0.41	0	NC*	Male	2.48	1	NC*
Female	0.29	0	NC*	Female	2.24	2	NC*
Total	0.70	0	NC*	Total	4.72	3	NC*

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## NAHANT

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	3.82	2	NC*	Male	1.83	1	NC*
Female	1.41	0	NC*	Female	1.40	2	NC*
Total	5.23	2	NC*	Total	3.23	3	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.15	0	NC*	Male	0.68	0	NC*
Female	1.07	2	NC*	Female	0.62	1	NC*
Total	2.22	2	NC*	Total	1.30	1	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.20	0	NC*	Male	2.63	1	NC*
Female	20.69	19	92	Female	2.40	3	NC*
Total	20.89	19	91	Total	5.03	4	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	2.43	1	NC*
Female	1.19	4	NC*	Female	1.07	0	NC*
				Total	3.50	1	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	10.10	14	139				
Female	9.51	8	84	Female	2.45	5	204
Total	19.61	22	112				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.26	4	NC*	Male	1.37	1	NC*
Female	0.47	0	NC*	Female	1.48	1	NC*
Total	1.73	4	NC*	Total	2.85	2	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.48	1	NC*	Male	22.51	27	120
Female	0.37	0	NC*				
Total	0.85	1	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	2.11	1	NC*	Male	1.67	0	NC*
Female	1.25	2	NC*	Female	1.05	0	NC*
Total	3.35	3	NC*	Total	2.72	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			

Male	1.34	2	NC*	Male	0.66	3	NC*
Female	0.35	0	NC*				
Total	1.69	2	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.40	3	NC*	Male	0.31	0	NC*
Female	1.05	1	NC*	Female	0.81	1	NC*
Total	2.45	4	NC*	Total	1.12	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.60	0	NC*				
Female	0.27	0	NC*	Female	3.90	3	NC*
Total	0.87	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	12.11	7	58	Male	73.71	71	96
Female	8.18	13	159	Female	65.96	69	105
Total	20.29	20	99	Total	139.67	140	100

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## NANTUCKET

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	4.60	6	130	Male	2.46	7	284 #+
Female	1.78	2	NC*	Female	2.04	2	NC*
Total	6.38	8	125	Total	4.51	9	200
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.65	4	NC*	Male	0.83	2	NC*
Female	1.54	3	NC*	Female	0.79	1	NC*
Total	3.19	7	219	Total	1.62	3	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			

Male	0.25	0	NC*	Male	3.54	6	169
Female	28.35	29	102	Female	3.19	5	157
Total	28.59	29	101	Total	6.73	11	163
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	3.22	4	NC*
Female	1.89	3	NC*	Female	1.44	1	NC*
				Total	4.66	5	107
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	12.20	17	139				
Female	11.93	14	117	Female	3.45	1	NC*
Total	24.13	31	128				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.59	6	377 #+	Male	1.70	3	NC*
Female	0.59	1	NC*	Female	1.87	3	NC*
Total	2.18	7	321 #+	Total	3.57	6	168
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.80	2	NC*	Male	27.01	40	148 #+
Female	0.64	0	NC*				
Total	1.44	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	2.73	0	NC*	Male	2.03	0	NC*
Female	1.67	3	NC*	Female	1.31	2	NC*
Total	4.40	3	NC*	Total	3.35	2	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.73	2	NC*	Male	1.21	1	NC*
Female	0.47	1	NC*				
Total	2.20	3	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.89	3	NC*	Male	0.48	0	NC*
Female	1.45	1	NC*	Female	1.33	2	NC*
Total	3.34	4	NC*	Total	1.81	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.77	0	NC*				
Female	0.36	0	NC*	Female	5.26	9	171
Total	1.12	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	15.10	13	86	Male	92.42	126	136 ~+
Female	10.79	10	93	Female	88.66	97	109
Total	25.89	23	89	Total	181.08	223	123 ~+

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## NATICK

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	22.50	23	102	Male	12.03	13	108
Female	8.69	10	115	Female	10.40	9	87
Total	31.19	33	106	Total	22.42	22	98
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	8.04	2	NC*	Male	4.08	6	147
Female	7.81	11	141	Female	3.91	4	NC*
Total	15.85	13	82	Total	7.98	10	125
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	1.21	3	NC*	Male	17.26	16	93
Female	144.53	158	109	Female	15.77	23	146
Total	145.74	161	110	Total	33.03	39	118
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	15.92	27	170 #+
Female	9.69	11	114	Female	7.29	7	96
				Total	23.21	34	146 #+
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	59.86	65	109				
Female	57.57	56	97	Female	17.63	23	130
Total	117.43	121	103				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	7.88	4	NC*	Male	8.43	11	130
Female	2.87	4	NC*	Female	9.14	13	142
Total	10.75	8	74	Total	17.58	24	137
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	3.78	3	NC*	Male	135.04	147	109
Female	3.21	5	156				
Total	6.99	8	115				

**Kidney and Renal Pelvis**

Male	13.57	5
Female	8.40	11
Total	21.97	16

**Larynx**

Male	8.61	6
Female	2.47	3
Total	11.08	9

**Leukemia**

Male	9.14	8
Female	7.14	13
Total	16.28	21

**Liver and Intrahepatic Bile Ducts**

Male	3.79	2
Female	1.76	1
Total	5.56	3

**Lung and Bronchus**

Male	75.46	80
Female	54.92	60
Total	130.38	140

**Stomach**

37 #-	Male	9.90	5	51
131	Female	6.28	6	96
73	Total	16.17	11	68

**Testis**

70	Male	5.69	2	NC*
NC*				
81				

**Thyroid**

87	Male	2.35	1	NC*
182	Female	6.77	10	148
129	Total	9.12	11	121

**Uteri, Corpus and Uterus, NOS**

NC*				
NC*	Female	27.09	17	63
NC*				

**All Sites / Types**

106	Male	456.66	459	101
109	Female	445.40	484	109
107	Total	902.06	943	105

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## NEEDHAM

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	25.09	31	124	Male	12.16	20	164 #+
Female	10.53	9	85	Female	10.47	11	105
Total	35.63	40	112	Total	22.63	31	137

**Brain and Central Nervous System**

Male	7.85	8
Female	8.08	11
Total	15.93	19

**Breast**

Male	1.31	1
Female	154.53	182
Total	155.84	183

**Cervix Uteri**

Female	8.92	1
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**Colon / Rectum**

Male	66.35	45
Female	71.26	63
Total	137.61	108

**Esophagus**

Male	8.40	6
Female	3.53	6
Total	11.93	12

**Hodgkin's Disease**

Male	3.24	3
Female	2.79	4
Total	6.02	7

**Kidney and Renal Pelvis**

Male	14.08	10
Female	9.26	7
Total	23.35	17

**Larynx**

Male	8.98	3
Female	2.60	3
Total	11.58	6

**Leukemia**

Male	9.51	12
Female	7.99	4
Total	17.50	16

**Liver and Intrahepatic Bile Ducts**

Male	4.00	3
Female	2.05	2
Total	6.04	5

**Lung and Bronchus**

Male	80.28	35
Female	60.04	55
Total	140.32	90

**Multiple Myeloma**

102 Male	4.49	4	NC*
136 Female	4.62	5	108
119 Total	9.11	9	99

**Non-Hodgkin's Lymphoma**

NC* Male	17.45	20	115
118 #+ Female	17.93	20	112
117 #+ Total	35.38	40	113

**Oral Cavity and Pharynx**

Male	16.27	13	80
NC* Female	8.01	7	87
Total	24.27	20	82

**Ovary**

68 ~-			
88 Female	18.30	18	98
78 #-			

**Pancreas**

71 Male	9.04	4	NC*
170 Female	11.01	7	64
101 Total	20.05	11	55 #-

**Prostate**

NC* Male	147.85	196	133 ^+
NC*			
116			

**Stomach**

71 Male	11.00	5	45
76 Female	7.90	5	63
73 Total	18.89	10	53 #-

**Testis**

NC* Male	4.32	11	255 #+
NC*			
52			

**Thyroid**

126 Male	2.09	4	NC*
NC* Female	6.07	7	115
91 Total	8.16	11	135

**Uteri, Corpus and Uterus, NOS**

NC*			
NC* Female	28.99	32	110
83			

**All Sites / Types**

44 ^-	Male	487.34	471	97
92	Female	492.34	499	101
64 ^-	Total	979.68	970	99

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## NEW ASHFORD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.17	1	NC*	Male	0.08	0	NC*
Female	0.04	0	NC*	Female	0.05	0	NC*
Total	0.20	1	NC*	Total	0.13	0	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.05	0	NC*	Male	0.03	0	NC*
Female	0.04	0	NC*	Female	0.02	0	NC*
Total	0.09	0	NC*	Total	0.05	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.01	0	NC*	Male	0.12	0	NC*
Female	0.64	0	NC*	Female	0.07	0	NC*
Total	0.65	0	NC*	Total	0.19	0	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	0.11	0	NC*
Female	0.04	0	NC*	Female	0.03	0	NC*
				Total	0.14	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	0.44	0	NC*				
Female	0.26	0	NC*	Female	0.08	0	NC*
Total	0.70	0	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.06	0	NC*	Male	0.06	0	NC*
Female	0.01	0	NC*	Female	0.04	0	NC*
Total	0.07	0	NC*	Total	0.10	0	NC*

<b><u>Hodgkin's Disease</u></b>			<b><u>Prostate</u></b>				
Male	0.02	0	NC*	Male	0.97	1	NC*
Female	0.02	0	NC*				
Total	0.04	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>			<b><u>Stomach</u></b>				
Male	0.10	0	NC*	Male	0.07	0	NC*
Female	0.04	0	NC*	Female	0.03	0	NC*
Total	0.13	0	NC*	Total	0.10	0	NC*
<b><u>Larynx</u></b>			<b><u>Testis</u></b>				
Male	0.06	0	NC*	Male	0.03	0	NC*
Female	0.01	0	NC*				
Total	0.07	0	NC*				
<b><u>Leukemia</u></b>			<b><u>Thyroid</u></b>				
Male	0.06	0	NC*	Male	0.02	0	NC*
Female	0.03	0	NC*	Female	0.03	0	NC*
Total	0.10	0	NC*	Total	0.05	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			<b><u>Uteri, Corpus and Uterus, NOS</u></b>				
Male	0.03	0	NC*				
Female	0.01	0	NC*	Female	0.12	0	NC*
Total	0.03	0	NC*				
<b><u>Lung and Bronchus</u></b>			<b><u>All Sites / Types</u></b>				
Male	0.54	0	NC*	Male	3.26	2	NC*
Female	0.25	0	NC*	Female	1.99	0	NC*
Total	0.78	0	NC*	Total	5.25	2	NC*

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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# indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## NEW BEDFORD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
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**Bladder, Urinary**

Male	81.93	94
Female	34.38	25
Total	116.32	119

**Brain and Central Nervous System**

Male	26.35	14
Female	27.54	23
Total	53.88	37

**Breast**

Male	4.26	3
Female	509.21	471
Total	513.47	474

**Cervix Uteri**

Female	30.66	34
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**Colon / Rectum**

Male	217.04	205
Female	232.33	231
Total	449.36	436

**Esophagus**

Male	26.84	26
Female	11.54	8
Total	38.38	34

**Hodgkin's Disease**

Male	11.74	8
Female	10.24	12
Total	21.98	20

**Kidney and Renal Pelvis**

Male	45.65	49
Female	31.00	23
Total	76.65	72

**Larynx**

Male	28.57	40
Female	8.57	10
Total	37.13	50

**Leukemia**

Male	31.88	33
Female	26.95	38
Total	58.83	71

**Liver and Intrahepatic Bile Ducts**

Male	13.02	11
Female	6.83	12
Total	19.85	23

**Melanoma of Skin**

115	Male	39.76	17	43 ^-
73	Female	35.08	19	54 ~-
102	Total	74.84	36	48 ^-

**Multiple Myeloma**

53 #-	Male	14.63	19	130
84	Female	15.15	15	99
69 #-	Total	29.78	34	114

**Non-Hodgkin's Lymphoma**

NC*	Male	58.13	51	88
92	Female	59.46	62	104
92	Total	117.59	113	96

**Oral Cavity and Pharynx**

	Male	51.76	43	83
111	Female	26.35	15	57 #-
	Total	78.11	58	74 #-

**Ovary**

94				
99	Female	60.79	46	76
97				

**Pancreas**

97	Male	29.42	32	109
69	Female	36.20	41	113
89	Total	65.62	73	111

**Prostate**

68	Male	488.36	379	78 ^-
117				
91				

**Stomach**

107	Male	35.84	63	176 ^+
74	Female	25.50	38	149 #+
94	Total	61.34	101	165 ^+

**Testis**

140 #+	Male	16.44	7	43 #-
117				
135				

**Thyroid**

104	Male	7.16	8	112
141	Female	21.22	22	104
121	Total	28.39	30	106

**Uteri, Corpus and Uterus, NOS**

84				
176	Female	95.56	89	93
116				

<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	260.78	280	107	Male	1601.19	1513	94 #-
Female	201.22	162	81 ~-	Female	1629.14	1526	94 #-
Total	462.01	442	96	Total	3230.33	3039	94 ^-

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## NEW BRAINTREE

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	0.55	1	NC*	Male	0.32	1	NC*
Female	0.15	0	NC*	Female	0.23	0	NC*
Total	0.71	1	NC*	Total	0.54	1	NC*
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	0.22	0	NC*	Male	0.10	0	NC*
Female	0.17	0	NC*	Female	0.07	0	NC*
Total	0.40	0	NC*	Total	0.17	0	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.03	0	NC*	Male	0.46	2	NC*
Female	2.96	1	NC*	Female	0.30	0	NC*
Total	2.99	1	NC*	Total	0.76	2	NC*
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	0.41	0	NC*
Female	0.22	0	NC*	Female	0.15	0	NC*
				Total	0.56	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.47	1	NC*				
Female	1.00	0	NC*	Female	0.37	0	NC*
Total	2.47	1	NC*				

<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.20	0	NC*	Male	0.21	0	NC*
Female	0.05	0	NC*	Female	0.16	1	NC*
Total	0.25	0	NC*	Total	0.37	1	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.11	0	NC*	Male	3.24	1	NC*
Female	0.08	0	NC*				
Total	0.19	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.35	1	NC*	Male	0.25	0	NC*
Female	0.17	0	NC*	Female	0.11	1	NC*
Total	0.52	1	NC*	Total	0.35	1	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.22	0	NC*	Male	0.17	0	NC*
Female	0.05	0	NC*				
Total	0.27	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.25	2	NC*	Male	0.07	0	NC*
Female	0.15	0	NC*	Female	0.16	0	NC*
Total	0.40	2	NC*	Total	0.23	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.10	0	NC*				
Female	0.03	0	NC*	Female	0.55	0	NC*
Total	0.13	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	1.87	1	NC*	Male	11.44	10	87
Female	1.07	0	NC*	Female	8.82	3	NC*
Total	2.94	1	NC*	Total	20.26	13	64

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

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## NEW MARLBOROUGH

## Cancer Incidence by Sex, 1990 - 1995

### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	1.19	1	NC*	Male	0.58	1	NC*
Female	0.35	0	NC*	Female	0.41	0	NC*
Total	1.55	1	NC*	Total	0.99	1	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.39	0	NC*	Male	0.22	0	NC*
Female	0.32	0	NC*	Female	0.16	0	NC*
Total	0.71	0	NC*	Total	0.38	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.06	0	NC*	Male	0.85	0	NC*
Female	5.89	3	NC*	Female	0.64	0	NC*
Total	5.95	3	NC*	Total	1.48	0	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	0.78	0	NC*
Female	0.37	1	NC*	Female	0.30	0	NC*
				Total	1.08	0	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	3.19	3	NC*				
Female	2.32	1	NC*	Female	0.71	1	NC*
Total	5.51	4	NC*				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.41	0	NC*	Male	0.44	0	NC*
Female	0.12	0	NC*	Female	0.38	0	NC*
Total	0.52	0	NC*	Total	0.81	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.16	0	NC*	Male	7.31	6	82
Female	0.12	0	NC*				
Total	0.28	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	0.69	1	NC*	Male	0.52	0	NC*
Female	0.35	0	NC*	Female	0.25	0	NC*
Total	1.05	1	NC*	Total	0.77	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.44	0	NC*	Male	0.21	0	NC*
Female	0.10	0	NC*				
Total	0.54	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.47	1	NC*	Male	0.10	1	NC*
Female	0.29	0	NC*	Female	0.25	0	NC*

Total	0.76	1	NC*	Total	0.36	1	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.20	0	NC*				
Female	0.07	0	NC*	Female	1.13	0	NC*
Total	0.27	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	3.97	1	NC*	Male	23.79	17	71
Female	2.33	0	NC*	Female	18.14	6	33 ~-
Total	6.30	1	NC*	Total	41.94	23	55 ~-

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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## NEW SALEM

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	0.61	0	NC*	Male	0.34	1	NC*
Female	0.20	1	NC*	Female	0.25	0	NC*
Total	0.81	1	NC*	Total	0.59	1	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.23	0	NC*	Male	0.11	0	NC*
Female	0.19	0	NC*	Female	0.09	0	NC*
Total	0.41	0	NC*	Total	0.20	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.03	0	NC*	Male	0.47	2	NC*
Female	3.43	3	NC*	Female	0.37	0	NC*
Total	3.47	3	NC*	Total	0.84	2	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	0.47	0	NC*
Female	0.23	1	NC*	Female	0.17	0	NC*

				Total	0.64	0	NC*
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	1.62	1	NC*				
Female	1.35	1	NC*	Female	0.42	1	NC*
Total	2.96	2	NC*				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	0.23	0	NC*	Male	0.23	0	NC*
Female	0.07	0	NC*	Female	0.21	0	NC*
Total	0.29	0	NC*	Total	0.45	0	NC*
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	0.10	0	NC*	Male	3.57	2	NC*
Female	0.08	0	NC*				
Total	0.18	0	NC*				
<u>Kidney and Renal Pelvis</u>				<u>Stomach</u>			
Male	0.38	1	NC*	Male	0.27	0	NC*
Female	0.20	0	NC*	Female	0.15	0	NC*
Total	0.58	1	NC*	Total	0.42	0	NC*
<u>Larynx</u>				<u>Testis</u>			
Male	0.25	0	NC*	Male	0.14	0	NC*
Female	0.06	0	NC*				
Total	0.31	0	NC*				
<u>Leukemia</u>				<u>Thyroid</u>			
Male	0.26	0	NC*	Male	0.06	0	NC*
Female	0.17	0	NC*	Female	0.16	0	NC*
Total	0.43	0	NC*	Total	0.23	0	NC*
<u>Liver and Intrahepatic Bile Ducts</u>				<u>Uteri, Corpus and Uterus, NOS</u>			
Male	0.11	0	NC*				
Female	0.04	1	NC*	Female	0.64	0	NC*
Total	0.15	1	NC*				
<u>Lung and Bronchus</u>				<u>All Sites / Types</u>			
Male	2.09	0	NC*	Male	12.45	7	56
Female	1.27	1	NC*	Female	10.51	9	86
Total	3.36	1	NC*	Total	22.96	16	70

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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# indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

# NEWBURY

## Cancer Incidence by Sex, 1990 - 1995

### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	4.33	1	NC*	Male	2.33	2	NC*
Female	1.46	0	NC*	Female	1.80	1	NC*
Total	5.79	1	NC*	Total	4.13	3	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.57	4	NC*	Male	0.79	1	NC*
Female	1.38	3	NC*	Female	0.66	1	NC*
Total	2.95	7	237	Total	1.45	2	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.24	0	NC*	Male	3.32	2	NC*
Female	25.05	29	116	Female	2.68	2	NC*
Total	25.28	29	115	Total	6.00	4	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	3.14	1	NC*
Female	1.68	3	NC*	Female	1.26	1	NC*
				Total	4.40	2	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	11.55	10	87				
Female	9.60	12	125	Female	3.08	4	NC*
Total	21.15	22	104				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.55	2	NC*	Male	1.64	2	NC*
Female	0.48	0	NC*	Female	1.53	2	NC*
Total	2.03	2	NC*	Total	3.17	4	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.71	1	NC*	Male	26.07	15	58 #-
Female	0.56	3	NC*				
Total	1.27	4	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	2.67	1	NC*	Male	1.90	2	NC*
Female	1.45	2	NC*	Female	1.04	0	NC*
Total	4.13	3	NC*	Total	2.95	2	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.70	1	NC*	Male	1.02	1	NC*

Female	0.43	1	NC*				
Total	2.13	2	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.79	3	NC*	Male	0.45	0	NC*
Female	1.26	2	NC*	Female	1.18	0	NC*
Total	3.05	5	164	Total	1.63	0	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.74	1	NC*				
Female	0.30	1	NC*	Female	4.71	8	170
Total	1.04	2	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	14.80	11	74	Male	88.53	73	82
Female	9.44	15	159	Female	76.49	93	122
Total	24.25	26	107	Total	165.02	166	101

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**Obs** = observed case count

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- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the **p** <= 0.05 level

~ indicates statistical significance at the **p** <= 0.01 level, as well as at the **p** <= 0.05 level

^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## NEWBURYPORT

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	12.24	11	90	Male	6.49	9	139
Female	5.04	0	NC*	Female	5.78	7	121
Total	17.28	11	64	Total	12.27	16	130
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	4.30	4	NC*	Male	2.22	1	NC*
Female	4.32	6	139	Female	2.23	2	NC*
Total	8.62	10	116	Total	4.45	3	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.66	0	NC*	Male	9.28	5	54



Female	80.54	83	103	Female	8.97	7	78
Total	81.20	83	102	Total	18.25	12	66
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	5.31	8	151	Male	8.58	8	93
				Female	4.09	5	122
				Total	12.67	13	103
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	32.43	41	126	Female	9.77	6	61
Female	33.67	40	119				
Total	66.11	81	123				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	4.26	5	117	Male	4.51	2	NC*
Female	1.67	2	NC*	Female	5.25	5	95
Total	5.93	7	118	Total	9.77	7	72
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	2.00	3	NC*	Male	71.12	76	107
Female	1.75	3	NC*				
Total	3.74	6	160				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	7.27	5	69	Male	5.41	8	148
Female	4.67	6	128	Female	3.73	3	NC*
Total	11.94	11	92	Total	9.14	11	120
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	4.60	4	NC*	Male	2.96	2	NC*
Female	1.35	0	NC*				
Total	5.95	4	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	4.93	7	142	Male	1.25	0	NC*
Female	4.08	7	172	Female	3.71	6	162
Total	9.01	14	155	Total	4.96	6	121
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	2.03	3	NC*	Female	14.94	13	87
Female	1.00	0	NC*				
Total	3.03	3	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	40.12	46	115	Male	244.04	254	104
Female	30.11	38	126	Female	250.44	274	109
Total	70.23	84	120	Total	494.49	528	107

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

- + indicates number of observed cases is statistically significantly higher than the expected number of cases  
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 # indicates statistical significance at the  $p \leq 0.05$  level  
 ~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level  
 ^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## NEWTON

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	65.55	80	122	Male	33.43	44	132
Female	25.89	20	77	Female	29.20	35	120
Total	91.44	100	109	Total	62.63	79	126
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	21.88	25	114	Male	11.81	14	119
Female	22.03	22	100	Female	11.45	17	148
Total	43.91	47	107	Total	23.26	31	133
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	3.48	5	144	Male	48.03	70	146 ~+
Female	408.63	454	111 #+	Female	45.94	65	141 ~+
Total	412.11	459	111 #+	Total	93.96	135	144 ^+
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	44.14	36	82
Female	26.63	21	79	Female	20.77	16	77
				Total	64.92	52	80
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	173.63	210	121 ~+				
Female	173.60	192	111	Female	49.51	66	133 #+
Total	347.22	402	116 ~+				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	22.31	19	85	Male	23.92	23	96
Female	8.58	9	105	Female	27.06	34	126
Total	30.89	28	91	Total	50.99	57	112
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	9.83	23	234 ^+	Male	385.09	534	139 ^+
Female	8.87	6	68				
Total	18.69	29	155 #+				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	37.88	52	137 #+	Male	28.84	32	111

Female	23.90	27	113	Female	19.20	22	115
Total	61.78	79	128 #+	Total	48.04	54	112
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	23.99	15	63	Male	14.26	16	112
Female	6.81	5	73				
Total	30.80	20	65				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	25.67	27	105	Male	6.19	12	194 #+
Female	20.98	34	162 #+	Female	18.63	25	134
Total	46.65	61	131 #+	Total	24.82	37	149 #+
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	10.67	8	75				
Female	5.15	6	116	Female	75.77	89	117
Total	15.82	14	88				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	212.53	134	63 ^-	Male	1293.92	1464	113 ^+
Female	153.93	138	90	Female	1277.32	1421	111 ^+
Total	366.46	272	74 ^-	Total	2571.24	2885	112 ^+

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

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## NORFOLK

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	5.02	5	100	Male	3.57	9	252 #+
Female	1.09	4	NC*	Female	1.84	3	NC*
Total	6.11	9	147	Total	5.41	12	222 #+
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	2.57	3	NC*	Male	0.94	1	NC*

Female	1.38	1	NC*	Female	0.51	1	NC*
Total	3.95	4	NC*	Total	1.45	2	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.30	0	NC*	Male	5.03	9	179
Female	23.23	13	56 #-	Female	2.25	8	356 ~+
Total	23.53	13	55 #-	Total	7.28	17	234 ~+
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	1.87	0	NC*	Male	4.62	4	NC*
				Female	1.12	0	NC*
				Total	5.75	4	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	13.37	11	82	Female	3.00	4	NC*
Female	6.89	5	73				
Total	20.26	16	79				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	2.02	2	NC*	Male	2.05	3	NC*
Female	0.34	0	NC*	Female	1.13	2	NC*
Total	2.36	2	NC*	Total	3.17	5	158
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.50	1	NC*	Male	28.27	30	106
Female	0.68	0	NC*				
Total	2.19	1	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	3.64	1	NC*	Male	2.29	6	262
Female	1.25	0	NC*	Female	0.76	1	NC*
Total	4.89	1	NC*	Total	3.05	7	230
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	2.30	0	NC*	Male	2.57	1	NC*
Female	0.40	0	NC*				
Total	2.70	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	2.55	3	NC*	Male	0.87	2	NC*
Female	1.19	0	NC*	Female	1.37	0	NC*
Total	3.74	3	NC*	Total	2.24	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.98	2	NC*	Female	4.27	1	NC*
Female	0.24	0	NC*				
Total	1.22	2	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	18.19	13	71	Male	111.37	113	101
Female	7.82	6	77	Female	67.16	54	80
Total	26.01	19	73	Total	178.54	167	94

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

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## NORTH ADAMS

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u><b>Bladder, Urinary</b></u>				<u><b>Melanoma of Skin</b></u>			
Male	12.68	9	71	Male	6.33	8	126
Female	5.57	5	90	Female	5.75	5	87
Total	18.25	14	77	Total	12.08	13	108
<u><b>Brain and Central Nervous System</b></u>				<u><b>Multiple Myeloma</b></u>			
Male	4.23	5	118	Male	2.27	1	NC*
Female	4.53	4	NC*	Female	2.47	1	NC*
Total	8.76	9	103	Total	4.74	2	NC*
<u><b>Breast</b></u>				<u><b>Non-Hodgkin's Lymphoma</b></u>			
Male	0.66	0	NC*	Male	9.27	6	65
Female	83.22	87	105	Female	9.71	8	82
Total	83.88	87	104	Total	18.98	14	74
<u><b>Cervix Uteri</b></u>				<u><b>Oral Cavity and Pharynx</b></u>			
				Male	8.17	10	122
Female	5.06	5	99	Female	4.28	3	NC*
				Total	12.45	13	104
<u><b>Colon / Rectum</b></u>				<u><b>Ovary</b></u>			
Male	33.62	42	125				
Female	37.68	47	125	Female	9.96	17	171
Total	71.30	89	125 #+				
<u><b>Esophagus</b></u>				<u><b>Pancreas</b></u>			
Male	4.18	4	NC*	Male	4.58	7	153
Female	1.87	3	NC*	Female	5.90	6	102
Total	6.05	7	116	Total	10.48	13	124
<u><b>Hodgkin's Disease</b></u>				<u><b>Prostate</b></u>			

Male	1.98	1	NC*	Male	75.26	54	72 #-
Female	1.72	4	NC*				
Total	3.69	5	135				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	7.17	6	84	Male	5.56	6	108
Female	5.08	6	118	Female	4.12	2	NC*
Total	12.25	12	98	Total	9.68	8	83
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	4.46	1	NC*	Male	2.89	3	NC*
Female	1.39	4	NC*				
Total	5.86	5	85				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	5.03	6	119	Male	1.19	1	NC*
Female	4.41	8	181	Female	3.52	1	NC*
Total	9.44	14	148	Total	4.71	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	2.04	5	246				
Female	1.11	0	NC*	Female	15.62	21	134
Total	3.15	5	159				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	40.54	63	155 ~+	Male	249.75	250	100
Female	33.11	46	139 #+	Female	266.10	300	113 #+
Total	73.65	109	148 ^+	Total	515.86	550	107

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

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## NORTH ANDOVER

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

<u>Exp</u>	<u>Obs</u>	<u>SIR</u>	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>			<b><u>Melanoma of Skin</u></b>		

Male	15.82	13	82	Male	8.65	9	104
Female	6.18	5	81	Female	7.43	11	148
Total	22.00	18	82	Total	16.08	20	124
<b><u>Brain and Central Nervous System</u></b>			<b><u>Multiple Myeloma</u></b>				
Male	5.91	5	85	Male	2.88	2	NC*
Female	5.67	3	NC*	Female	2.76	3	NC*
Total	11.58	8	69	Total	5.64	5	89
<b><u>Breast</u></b>			<b><u>Non-Hodgkin's Lymphoma</u></b>				
Male	0.86	0	NC*	Male	12.31	7	57
Female	102.45	104	102	Female	11.25	18	160
Total	103.31	104	101	Total	23.56	25	106
<b><u>Cervix Uteri</u></b>			<b><u>Oral Cavity and Pharynx</u></b>				
				Male	11.54	13	113
Female	6.91	6	87	Female	5.15	6	117
				Total	16.69	19	114
<b><u>Colon / Rectum</u></b>			<b><u>Ovary</u></b>				
Male	41.93	43	103				
Female	41.17	52	126	Female	12.56	17	135
Total	83.09	95	114				
<b><u>Esophagus</u></b>			<b><u>Pancreas</u></b>				
Male	5.64	6	106	Male	5.92	5	84
Female	2.03	2	NC*	Female	6.49	6	92
Total	7.67	8	104	Total	12.41	11	89
<b><u>Hodgkin's Disease</u></b>			<b><u>Prostate</u></b>				
Male	2.78	1	NC*	Male	91.92	122	133 ~+
Female	2.38	2	NC*				
Total	5.16	3	NC*				
<b><u>Kidney and Renal Pelvis</u></b>			<b><u>Stomach</u></b>				
Male	9.68	10	103	Male	7.01	11	157
Female	5.96	7	117	Female	4.53	3	NC*
Total	15.64	17	109	Total	11.54	14	121
<b><u>Larynx</u></b>			<b><u>Testis</u></b>				
Male	6.16	0	NC*	Male	4.04	4	NC*
Female	1.71	0	NC*				
Total	7.87	0	NC*				
<b><u>Leukemia</u></b>			<b><u>Thyroid</u></b>				
Male	6.70	8	119	Male	1.69	3	NC*
Female	5.30	5	94	Female	4.90	7	143
Total	12.01	13	108	Total	6.59	10	152
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			<b><u>Uteri, Corpus and Uterus, NOS</u></b>				
Male	2.69	2	NC*				
Female	1.26	0	NC*	Female	19.01	24	126
Total	3.95	2	NC*				
<b><u>Lung and Bronchus</u></b>			<b><u>All Sites / Types</u></b>				

Male	52.70	36	68 #	Male	319.83	318	99
Female	38.28	34	89	Female	316.49	344	109
Total	90.98	70	77 #	Total	636.32	662	104

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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^ indicates statistical significance at the **p** <= 0.001 level, as well as at the **p** <= 0.05 and **p** <= 0.01 levels

## NORTH ATTLEBOROUGH

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	14.65	16	109	Male	8.57	15	175
Female	5.44	4	NC*	Female	7.28	6	82
Total	20.09	20	100	Total	15.85	21	133
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	6.04	7	116	Male	2.69	2	NC*
Female	5.48	7	128	Female	2.45	2	NC*
Total	11.52	14	122	Total	5.13	4	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.81	1	NC*	Male	12.32	8	65
Female	95.78	110	115	Female	10.29	9	87
Total	96.59	111	115	Total	22.61	17	75
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	11.18	12	107
Female	7.10	4	NC*	Female	4.76	1	NC*
				Total	15.94	13	82
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	39.00	42	108				
Female	35.85	40	112	Female	11.98	17	142
Total	74.84	82	110				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			



Male	5.31	4	NC*	Male	5.61	5	89
Female	1.77	2	NC*	Female	5.69	8	141
Total	7.08	6	85	Total	11.30	13	115
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	3.14	7	223	Male	86.11	77	89
Female	2.56	6	235				
Total	5.69	13	228 #+				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	9.35	4	NC*	Male	6.52	3	NC*
Female	5.47	5	91	Female	3.94	5	127
Total	14.82	9	61	Total	10.46	8	76
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	5.86	6	102	Male	4.90	4	NC*
Female	1.59	1	NC*				
Total	7.45	7	94				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	6.60	6	91	Male	1.84	1	NC*
Female	5.00	4	NC*	Female	5.12	4	NC*
Total	11.59	10	86	Total	6.96	5	72
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	2.58	0	NC*				
Female	1.13	0	NC*	Female	17.58	14	80
Total	3.72	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	50.01	61	122	Male	305.62	303	99
Female	34.76	33	95	Female	291.93	304	104
Total	84.77	94	111	Total	597.55	607	102

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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## NORTH BROOKFIELD

### Cancer Incidence by Sex, 1990 - 1995

### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	3.60	7	194	Male	1.84	1	NC*
Female	1.18	2	NC*	Female	1.39	1	NC*
Total	4.78	9	188	Total	3.24	2	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	1.26	4	NC*	Male	0.65	0	NC*
Female	1.08	2	NC*	Female	0.53	0	NC*
Total	2.34	6	257	Total	1.18	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.19	0	NC*	Male	2.70	2	NC*
Female	19.23	15	78	Female	2.14	1	NC*
Total	19.42	15	77	Total	4.85	3	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	2.39	0	NC*
Female	1.30	2	NC*	Female	0.97	1	NC*
				Total	3.36	1	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	9.59	6	63				
Female	7.84	6	76	Female	2.36	1	NC*
Total	17.43	12	69				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	1.21	1	NC*	Male	1.32	0	NC*
Female	0.39	2	NC*	Female	1.24	0	NC*
Total	1.60	3	NC*	Total	2.56	0	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.59	2	NC*	Male	21.63	20	92
Female	0.46	0	NC*				
Total	1.05	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	2.10	1	NC*	Male	1.58	3	NC*
Female	1.14	0	NC*	Female	0.86	0	NC*
Total	3.25	1	NC*	Total	2.43	3	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	1.30	1	NC*	Male	0.87	0	NC*
Female	0.32	0	NC*				
Total	1.63	1	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	1.47	1	NC*	Male	0.36	0	NC*
Female	1.01	2	NC*	Female	0.92	2	NC*
Total	2.48	3	NC*	Total	1.28	2	NC*

**Liver and Intrahepatic Bile Ducts**

Male	0.59	0
Female	0.24	0
Total	0.84	0

**Uteri, Corpus and Uterus, NOS**

NC*	Female	3.59	6	167
NC*				
NC*				

**Lung and Bronchus**

Male	11.81	19
Female	7.37	3
Total	19.18	22

**All Sites / Types**

161	Male	72.17	70	97
NC*	Female	59.98	49	82
115	Total	132.15	119	90

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

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## NORTH READING

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	7.85	7	89	Male	4.52	4	NC*
Female	2.71	1	NC*	Female	3.63	6	165
Total	10.56	8	76	Total	8.15	10	123
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.10	5	161	Male	1.44	0	NC*
Female	2.72	1	NC*	Female	1.23	1	NC*
Total	5.82	6	103	Total	2.67	1	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.44	2	NC*	Male	6.36	6	94
Female	49.11	55	112	Female	5.08	2	NC*
Total	49.54	57	115	Total	11.44	8	70
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	6.13	4	NC*
Female	3.48	7	201	Female	2.45	3	NC*
				Total	8.59	7	82

<b><u>Colon / Rectum</u></b>			<b><u>Ovary</u></b>				
Male	20.92	24	115				
Female	17.59	15	85	Female	6.10	6	98
Total	38.51	39	101				
<b><u>Esophagus</u></b>			<b><u>Pancreas</u></b>				
Male	2.93	3	NC*	Male	3.05	5	164
Female	0.88	0	NC*	Female	2.81	0	NC*
Total	3.81	3	NC*	Total	5.86	5	85
<b><u>Hodgkin's Disease</u></b>			<b><u>Prostate</u></b>				
Male	1.47	1	NC*	Male	46.99	46	98
Female	1.16	1	NC*				
Total	2.63	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>			<b><u>Stomach</u></b>				
Male	5.06	8	158	Male	3.48	2	NC*
Female	2.76	4	NC*	Female	1.93	0	NC*
Total	7.82	12	153	Total	5.41	2	NC*
<b><u>Larynx</u></b>			<b><u>Testis</u></b>				
Male	3.27	2	NC*	Male	2.20	2	NC*
Female	0.85	0	NC*				
Total	4.12	2	NC*				
<b><u>Leukemia</u></b>			<b><u>Thyroid</u></b>				
Male	3.40	7	206	Male	0.91	0	NC*
Female	2.42	2	NC*	Female	2.46	2	NC*
Total	5.82	9	155	Total	3.37	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			<b><u>Uteri, Corpus and Uterus, NOS</u></b>				
Male	1.39	2	NC*				
Female	0.56	0	NC*	Female	9.19	11	120
Total	1.96	2	NC*				
<b><u>Lung and Bronchus</u></b>			<b><u>All Sites / Types</u></b>				
Male	27.44	31	113	Male	164.03	167	102
Female	17.77	27	152 #+	Female	147.24	163	111
Total	45.20	58	128	Total	311.27	330	106

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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# NORTHAMPTON

## Cancer Incidence by Sex, 1990 - 1995

### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	22.12	17	77	Male	11.36	5	44
Female	9.02	8	89	Female	10.44	6	57
Total	31.14	25	80	Total	21.80	11	50 #-
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	7.40	5	68	Male	3.98	6	151
Female	7.74	4	NC*	Female	3.93	4	NC*
Total	15.14	9	59	Total	7.90	10	127
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	1.17	0	NC*	Male	16.45	12	73
Female	139.29	151	108	Female	16.17	13	80
Total	140.46	151	108	Total	32.62	25	77
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	14.67	16	109
Female	9.89	4	NC*	Female	7.07	6	85
				Total	21.74	22	101
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	58.54	49	84				
Female	61.08	49	80	Female	17.06	26	152
Total	119.62	98	82 #-				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	7.40	10	135	Male	8.01	6	75
Female	2.99	2	NC*	Female	9.38	7	75
Total	10.39	12	115	Total	17.39	13	75
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	3.51	2	NC*	Male	129.05	73	57 ^-
Female	3.54	4	NC*				
Total	7.06	6	85				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	12.63	11	87	Male	9.75	6	62
Female	8.13	7	86	Female	6.84	7	102
Total	20.75	18	87	Total	16.58	13	78
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	7.91	8	101	Male	5.37	2	NC*
Female	2.19	1	NC*				

Total	10.10	9	89				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	8.63	7	81	Male	2.17	1	NC*
Female	7.53	7	93	Female	7.09	11	155
Total	16.16	14	87	Total	9.27	12	129
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	3.57	2	NC*				
Female	1.79	0	NC*	Female	25.07	24	96
Total	5.36	2	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	70.76	54	76 #-	Male	435.33	321	74 ^-
Female	51.14	40	78	Female	440.82	421	96
Total	121.90	94	77 #-	Total	876.15	742	85 ^-

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## NORTHBOROUGH

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	7.22	7	97	Male	4.30	7	163
Female	2.52	3	NC*	Female	3.54	5	141
Total	9.75	10	103	Total	7.84	12	153
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.00	6	200	Male	1.33	0	NC*
Female	2.65	3	NC*	Female	1.15	1	NC*
Total	5.66	9	159	Total	2.48	1	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.41	0	NC*	Male	6.05	8	132
Female	47.29	42	89	Female	4.83	0	NC*

Total	47.70	42	88	Total	10.88	8	74
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	3.43	4	NC*	Male	5.78	4	NC*
				Female	2.33	5	215
				Total	8.11	9	111
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	19.19	10	52 #-	Female	5.92	6	101
Female	16.38	20	122				
Total	35.56	30	84				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	2.72	1	NC*	Male	2.80	2	NC*
Female	0.81	2	NC*	Female	2.63	2	NC*
Total	3.53	3	NC*	Total	5.43	4	NC*
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.49	1	NC*	Male	41.80	29	69 #-
Female	1.17	1	NC*				
Total	2.66	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	4.72	7	148	Male	3.23	5	155
Female	2.63	1	NC*	Female	1.80	1	NC*
Total	7.36	8	109	Total	5.03	6	119
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	3.03	1	NC*	Male	2.25	0	NC*
Female	0.81	1	NC*				
Total	3.84	2	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	3.26	0	NC*	Male	0.90	0	NC*
Female	2.35	3	NC*	Female	2.45	2	NC*
Total	5.61	3	NC*	Total	3.35	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.29	2	NC*	Female	8.79	7	80
Female	0.53	0	NC*				
Total	1.82	2	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	25.02	21	84	Male	150.86	116	77 ~-
Female	16.86	11	65	Female	140.68	124	88
Total	41.88	32	76	Total	291.54	240	82 ~-

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

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 # indicates statistical significance at the  $p \leq 0.05$  level  
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 ^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels

## NORTHBRIDGE

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	10.01	9	90	Male	5.03	5	99
Female	4.18	6	144	Female	4.34	6	138
Total	14.19	15	106	Total	9.37	11	117
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	3.37	4	NC*	Male	1.79	1	NC*
Female	3.36	2	NC*	Female	1.81	2	NC*
Total	6.73	6	89	Total	3.60	3	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.53	1	NC*	Male	7.31	5	68
Female	61.13	41	67 ~-	Female	7.22	5	69
Total	61.66	42	68 #-	Total	14.53	10	69
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	6.52	9	138
Female	3.86	2	NC*	Female	3.17	1	NC*
				Total	9.69	10	103
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	26.42	15	57 #-				
Female	28.36	26	92	Female	7.35	6	82
Total	54.78	41	75				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	3.31	7	211	Male	3.59	2	NC*
Female	1.40	2	NC*	Female	4.34	4	NC*
Total	4.71	9	191	Total	7.93	6	76
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	1.57	3	NC*	Male	58.10	62	107
Female	1.33	0	NC*				
Total	2.91	3	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	5.63	5	89	Male	4.42	2	NC*
Female	3.67	3	NC*	Female	3.17	2	NC*



Total	9.29	8	86	Total	7.59	4	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	3.53	1	NC*	Male	2.26	2	NC*
Female	0.99	0	NC*				
Total	4.53	1	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	4.01	4	NC*	Male	0.94	2	NC*
Female	3.37	0	NC*	Female	2.71	0	NC*
Total	7.38	4	NC*	Total	3.65	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.60	1	NC*				
Female	0.82	1	NC*	Female	11.22	6	53
Total	2.42	2	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	31.54	30	95	Male	195.42	187	96
Female	23.18	13	56 #-	Female	196.13	141	72 ^-
Total	54.72	43	79	Total	391.55	328	84 ~-

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## NORTHFIELD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	2.25	2	NC*	Male	1.16	2	NC*
Female	0.83	2	NC*	Female	0.93	0	NC*
Total	3.08	4	NC*	Total	2.10	2	NC*
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	0.78	0	NC*	Male	0.41	0	NC*
Female	0.72	0	NC*	Female	0.37	0	NC*

Total	1.50	0	NC*	Total	0.78	0	NC*
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	0.12	0	NC*	Male	1.67	1	NC*
Female	13.15	14	106	Female	1.47	2	NC*
Total	13.27	14	106	Total	3.14	3	NC*
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
Female	0.84	0	NC*	Male	1.56	1	NC*
				Female	0.67	0	NC*
				Total	2.23	1	NC*
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	5.98	6	100	Female	1.59	1	NC*
Female	5.53	8	145				
Total	11.51	14	122				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	0.78	1	NC*	Male	0.83	3	NC*
Female	0.27	0	NC*	Female	0.87	2	NC*
Total	1.06	1	NC*	Total	1.70	5	294
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	0.34	0	NC*	Male	13.40	13	97
Female	0.28	0	NC*				
Total	0.63	0	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	1.34	3	NC*	Male	0.99	0	NC*
Female	0.78	0	NC*	Female	0.61	0	NC*
Total	2.11	3	NC*	Total	1.60	0	NC*
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	0.85	0	NC*	Male	0.49	1	NC*
Female	0.22	0	NC*				
Total	1.07	0	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	0.90	1	NC*	Male	0.22	1	NC*
Female	0.68	0	NC*	Female	0.59	1	NC*
Total	1.59	1	NC*	Total	0.81	2	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	0.37	0	NC*	Female	2.46	3	NC*
Female	0.17	0	NC*				
Total	0.54	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	7.47	8	107	Male	45.06	47	104
Female	5.02	4	NC*	Female	41.10	39	95
Total	12.49	12	96	Total	86.17	86	100

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\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

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## NORTON

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<u>Bladder, Urinary</u>				<u>Melanoma of Skin</u>			
Male	7.82	10	128	Male	4.78	10	209 #+
Female	2.99	2	NC*	Female	4.30	4	NC*
Total	10.81	12	111	Total	9.08	14	154
<u>Brain and Central Nervous System</u>				<u>Multiple Myeloma</u>			
Male	3.42	2	NC*	Male	1.44	0	NC*
Female	3.18	3	NC*	Female	1.32	2	NC*
Total	6.60	5	76	Total	2.77	2	NC*
<u>Breast</u>				<u>Non-Hodgkin's Lymphoma</u>			
Male	0.44	1	NC*	Male	6.84	6	88
Female	53.83	49	91	Female	5.78	6	104
Total	54.28	50	92	Total	12.63	12	95
<u>Cervix Uteri</u>				<u>Oral Cavity and Pharynx</u>			
				Male	6.21	4	NC*
Female	4.34	8	184	Female	2.66	7	264 #+
				Total	8.87	11	124
<u>Colon / Rectum</u>				<u>Ovary</u>			
Male	20.78	18	87				
Female	19.71	13	66	Female	6.85	7	102
Total	40.49	31	77				
<u>Esophagus</u>				<u>Pancreas</u>			
Male	2.89	2	NC*	Male	3.01	3	NC*
Female	0.96	3	NC*	Female	3.07	7	228
Total	3.85	5	130	Total	6.09	10	164
<u>Hodgkin's Disease</u>				<u>Prostate</u>			
Male	1.84	1	NC*	Male	44.93	30	67 #-

Female	1.63	1	NC*				
Total	3.47	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	5.12	9	176	Male	3.51	6	171
Female	2.99	1	NC*	Female	2.21	0	NC*
Total	8.11	10	123	Total	5.72	6	105
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	3.20	3	NC*	Male	2.90	0	NC*
Female	0.86	0	NC*				
Total	4.06	3	NC*				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	3.67	3	NC*	Male	1.06	0	NC*
Female	2.94	2	NC*	Female	3.19	3	NC*
Total	6.61	5	76	Total	4.25	3	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	1.40	0	NC*				
Female	0.63	0	NC*	Female	9.59	8	83
Total	2.03	0	NC*				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	26.79	35	131	Male	164.48	153	93
Female	18.36	13	71	Female	163.27	151	92
Total	45.15	48	106	Total	327.75	304	93

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## NORWELL

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>		<b><u>Exp</u></b>	<b><u>Obs</u></b>	<b><u>SIR</u></b>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	6.29	5	79	Male	3.59	5	139

Female	2.44	0	NC*	Female	3.01	4	NC*
Total	8.74	5	57	Total	6.60	9	136
<b><u>Brain and Central Nervous System</u></b>			<b><u>Multiple Myeloma</u></b>				
Male	2.44	3	NC*	Male	1.16	1	NC*
Female	2.29	1	NC*	Female	1.11	0	NC*
Total	4.73	4	NC*	Total	2.27	1	NC*
<b><u>Breast</u></b>			<b><u>Non-Hodgkin's Lymphoma</u></b>				
Male	0.35	0	NC*	Male	4.99	3	NC*
Female	42.65	54	127	Female	4.45	3	NC*
Total	43.00	54	126	Total	9.44	6	64
<b><u>Cervix Uteri</u></b>			<b><u>Oral Cavity and Pharynx</u></b>				
Female	2.75	2	NC*	Male	4.99	4	NC*
				Female	2.14	1	NC*
				Total	7.14	5	70
<b><u>Colon / Rectum</u></b>			<b><u>Ovary</u></b>				
Male	16.74	16	96				
Female	15.99	16	100	Female	5.21	1	NC*
Total	32.74	32	98				
<b><u>Esophagus</u></b>			<b><u>Pancreas</u></b>				
Male	2.39	0	NC*	Male	2.44	2	NC*
Female	0.80	0	NC*	Female	2.55	4	NC*
Total	3.19	0	NC*	Total	5.00	6	120
<b><u>Hodgkin's Disease</u></b>			<b><u>Prostate</u></b>				
Male	1.08	2	NC*	Male	37.16	74	199 ^+
Female	0.87	0	NC*				
Total	1.95	2	NC*				
<b><u>Kidney and Renal Pelvis</u></b>			<b><u>Stomach</u></b>				
Male	4.09	4	NC*	Male	2.79	0	NC*
Female	2.43	3	NC*	Female	1.75	3	NC*
Total	6.53	7	107	Total	4.54	3	NC*
<b><u>Larynx</u></b>			<b><u>Testis</u></b>				
Male	2.67	0	NC*	Male	1.54	1	NC*
Female	0.75	1	NC*				
Total	3.42	1	NC*				
<b><u>Leukemia</u></b>			<b><u>Thyroid</u></b>				
Male	2.69	1	NC*	Male	0.70	2	NC*
Female	2.07	2	NC*	Female	1.90	2	NC*
Total	4.76	3	NC*	Total	2.60	4	NC*
<b><u>Liver and Intrahepatic Bile Ducts</u></b>			<b><u>Uteri, Corpus and Uterus, NOS</u></b>				
Male	1.12	2	NC*				
Female	0.50	2	NC*	Female	8.09	13	161
Total	1.62	4	NC*				
<b><u>Lung and Bronchus</u></b>			<b><u>All Sites / Types</u></b>				
Male	22.11	12	54 #-	Male	130.56	143	110

Female	15.86	11	69	Female	128.76	131	102
Total	37.97	23	61 #-	Total	259.32	274	106

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## NORWOOD

### Cancer Incidence by Sex, 1990 - 1995

#### Expected and Observed Case Counts, with Standardized Incidence Ratios

	<u>Exp</u>	<u>Obs</u>	<u>SIR</u>		<u>Exp</u>	<u>Obs</u>	<u>SIR</u>
<b><u>Bladder, Urinary</u></b>				<b><u>Melanoma of Skin</u></b>			
Male	22.70	20	88	Male	11.52	18	156
Female	10.15	7	69	Female	10.54	15	142
Total	32.84	27	82	Total	22.07	33	150 #+
<b><u>Brain and Central Nervous System</u></b>				<b><u>Multiple Myeloma</u></b>			
Male	7.56	14	185 #+	Male	4.08	2	NC*
Female	8.02	4	NC*	Female	4.45	5	112
Total	15.58	18	116	Total	8.53	7	82
<b><u>Breast</u></b>				<b><u>Non-Hodgkin's Lymphoma</u></b>			
Male	1.20	0	NC*	Male	16.65	14	84
Female	151.51	170	112	Female	17.53	19	108
Total	152.71	170	111	Total	34.19	33	97
<b><u>Cervix Uteri</u></b>				<b><u>Oral Cavity and Pharynx</u></b>			
				Male	15.13	9	59
Female	9.32	5	54	Female	7.82	7	90
				Total	22.95	16	70
<b><u>Colon / Rectum</u></b>				<b><u>Ovary</u></b>			
Male	60.25	59	98				
Female	68.47	87	127 #+	Female	18.10	16	88
Total	128.71	146	113				
<b><u>Esophagus</u></b>				<b><u>Pancreas</u></b>			
Male	7.67	4	NC*	Male	8.32	10	120

Female	3.39	4	NC*	Female	10.61	8	75
Total	11.07	8	72	Total	18.93	18	95
<b><u>Hodgkin's Disease</u></b>				<b><u>Prostate</u></b>			
Male	3.44	3	NC*	Male	135.79	197	145 ^+
Female	3.02	3	NC*				
Total	6.46	6	93				
<b><u>Kidney and Renal Pelvis</u></b>				<b><u>Stomach</u></b>			
Male	13.10	12	92	Male	9.95	16	161
Female	9.03	9	100	Female	7.57	12	158
Total	22.13	21	95	Total	17.52	28	160 #+
<b><u>Larynx</u></b>				<b><u>Testis</u></b>			
Male	8.27	16	193 #+	Male	5.07	5	99
Female	2.53	3	NC*				
Total	10.80	19	176 #+				
<b><u>Leukemia</u></b>				<b><u>Thyroid</u></b>			
Male	8.86	12	135	Male	2.15	3	NC*
Female	7.81	6	77	Female	6.42	7	109
Total	16.67	18	108	Total	8.58	10	117
<b><u>Liver and Intrahepatic Bile Ducts</u></b>				<b><u>Uteri, Corpus and Uterus, NOS</u></b>			
Male	3.70	4	NC*				
Female	1.99	1	NC*	Female	28.24	34	120
Total	5.69	5	88				
<b><u>Lung and Bronchus</u></b>				<b><u>All Sites / Types</u></b>			
Male	74.05	99	134 ~+	Male	450.90	548	122 ^+
Female	58.53	51	87	Female	481.41	513	107
Total	132.58	150	113	Total	932.31	1061	114 ^+

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